# Fireplaces

Wood



made in germany

# made in germany

BRUNNER is a traditional family business, known as the leading manufacturer of wood burning devices for hand-crafted stoves. Our fireplace inserts result from all our knowledge and experience, as well as our own claim – which has made our name through decades – to build the most valuable fireplaces, which are offered today. All of this is 100 % "Made in Germany".





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# The fireplace experience.

Today, wood burns in a closed fireplace insert, not like before – in a classic open fireplace.

The most important reason is the significantly higher efficiency and the resulting lower emissions. These advantages became possible with the invention of ceramic glass, converting the open fireplace into a closed one, with adjustable combustion air supply.

When we look at the different ways of implementing this basic improvement, there are many important differences between the competing manufacturers. A simple consideration will show only similar firebox dimensions and viewing glass formats. But the real difference consists in development methods used by manufacturers – if they are intended to ensure a lower price, or the best functionality.

**BRUNNER** works to ensure functionality and quality – without compromising any details.







**BRUNNER** fireplace inserts made of steel are available in many different viewing glass dimensions, with lifting door or side-opening door, as well as various reheating systems for the desired warmth effect.





The perfect fire ...



# ... is it possible?

Actually not! - Only optimal prerequisites for a lifetime of at least 25 years.

The knowledge and experience pertaining to the peculiarities of wood gasification, the combustion and the thermal stresses of all components are represented in all BRUNNER fireplace inserts.

All the other things are on the user's side and depend mostly on the quality of firewood.

# Listen and understand

Listening to all the people involved and converting their ideas into reality has nothing to do with compromise, but rather ensuring a clear specification sheet\* for our design concepts.

### Ladies, we understand your needs.

- → The fireplace door must be easy to open.
- → The viewing glass must remain clean for a long time.
- → Occasional cleaning must be easy to perform.

### Gentlemen, we understand your wishes.

- → The mechanics must be state-of-the-art.
- → All parts must be accessible and easy to replace, if necessary.
- → Efficiency and emissions must be more than satisfying.

### Dear Designers, we understand your expectations.

- → No frame around viewing glass, simple finish welcome.
- → Avoid unnecessary controls or annoying handles.
- → Seamless transitions between fireplace and plaster or natural stone.

### Dear penny pinchers, we understand you too.

- → You're not hunting for bargains, you just want to make a good deal.
- → You don't make savings on quality.
- → What is worth a lot of money must be better too.





The "easy-lift" mechanics make the lifting doors much easier to open.



Opening the lifting door for cleaning with the "click-clack" mechanism.

<sup>\*</sup> A specification sheet contains the requirements for technical development.



# The design details.

### Lifting doors with pulleys

Pulleys with ball bearings on both sides redirect the steel ropes stably and gently; each rope can hold up to 670 kg.

### "easy-lift"

State-of-the-art mechanics guarantees easy operation and long lifetime of lifting doors.

### Clean glass

With long lasting, adjustable sealing profiles. Depends on proper operation.

### Optional double glazing

Reduction of heat radiation through the glass by 30 - 50 %.

#### External combustion air supply

Combustion air is supplied through a separate air duct from outside.

## High-quality inner linings

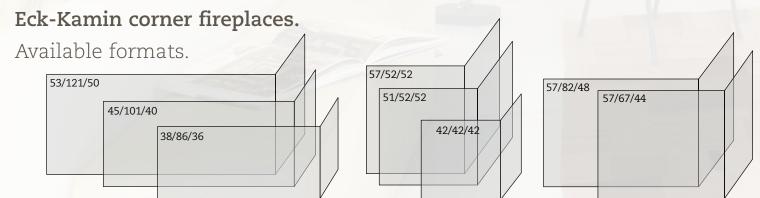
Fireclay linings ensure highest thermal and mechanical endurance.





There are certain things which could be cheaper. But there is no other fireplace like this one – manufactured with such attention to detail.







# The design details.

# "easy-lift"

# Opening of lifting doors cannot be made easier!

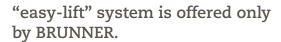
It features our own solution for a perfectly sliding and long-lasting lifting mechanism.

The door moves away from the fireplace body and slides up automatically.

Just before the door is closed, it will back with its sealing rope to the fireplace body.

This unique fireplace door sliding system is easy to use and ensures tightness for a lifetime.

You won't find any other fireplace with a lifting door, which is more silent or comfortable to use!









Accessories: practical wall mount to keep the operating handle after





### "click-clack"

# The special cleaning system for lifting doors.

Lifting doors operation to prepare them for glass cleaning has never been more comfortable!

Push the button to tilt the glass pane open.

Always a clean glass – without having to perform cleaning in uncomfortable position.

Just a click and the door falls open to the front, or to the side – for round doors and Eck-Kamin corner fireplaces.

The inner glass can be cleaned now with less effort.

"click-clack" system is offered only by BRUNNER.









Fireplace Kompakt-Kamin 51/67 - Tiles: Spirit of Fire





# The design details.

### The secret of clean viewing glass.

Technical design, chimney draught, wood humidity, quantity of wood and operation are the important factors for a clean viewing glass \*).

#### Technical design:

The combustion air supply system of a BRUNNER fireplace is designed to minimise deposits of soot and dust particles. Supplied air is streaming along the viewing glass. Tight door profiles and precise lifting mechanism ensure that this "protective screen" works properly and that there are no soot stains on the glass.

Small, flat glass formats remain clean much longer due to their simple geometry. Fireplaces with two- or three-sided glazing (Eck, Panorama) and turbulent streams around the corners must be cleaned more often.

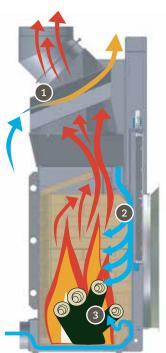
#### Chimney draught:

When the chimney draught is too high or too low, the adjustable combustion air openings are not enough to compensate the negative air flow conditions, which lead to increased soot deposits.

These conditions can be improved with the BRUNNER Sissi flap (see page 34). Occasional operation in adverse weather conditions cannot be excluded and must be accepted from time to time.

#### Humidity and quantity of wood, mode of operation

The quality and quantity of wood have a significant influence on the cleanness of the viewing glass. The required temperature and the air flow for the self-cleaning system can be established under normal operating conditions only when dry wood is used (residual humidity < 20 %) and the quantity of wood does not exceed the recommended value for a given fireplace. At lower combustion chamber temperatures, the hot combustion gases will condensate on the cold viewing glass regardless of the presence of flushing air. The glass will get stained.



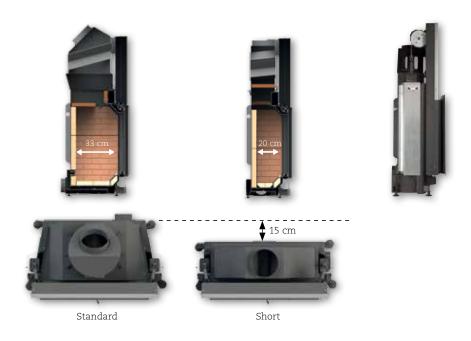
- Heat exchanger inside the steel smoke hood
- 2 Combustion air stream over viewing glass
- 3 Combustion air as primary air

<sup>\*)</sup> Glass cleaning is necessary after 2 – 10 combustion cycles and depends on the intensity of use and the conditions during each cycle. Ceramic glass cleaning must be performed on a regular basis.

# The design details.

### Short versions

A shorter version of a fireplace insert can be used, when a smaller mounting depth is required. This option is available for some models of the Stil and Architektur series (see Overview on page 38).



Mounting depths under 60 cm are possible through a combination of a short version with convection case (see page 28). Due to enhanced heat dissipation, insulation thickness and distances to adjacent walls can be minimised.



# Optical combustion chamber variants

For selected fireplace inserts we offer combustion chambers with different looks.





(e.g. Architektur and Stil fireplaces)

Traditional fireclay with grooves (e.g. Kompakt,-Eck,-Panorama and also Architektur-Eck fireplaces)

Traditional fireclay with brick look (e.g. Stil fireplaces)



Anthracite fireclay (e.g. Architektur fireplaces)



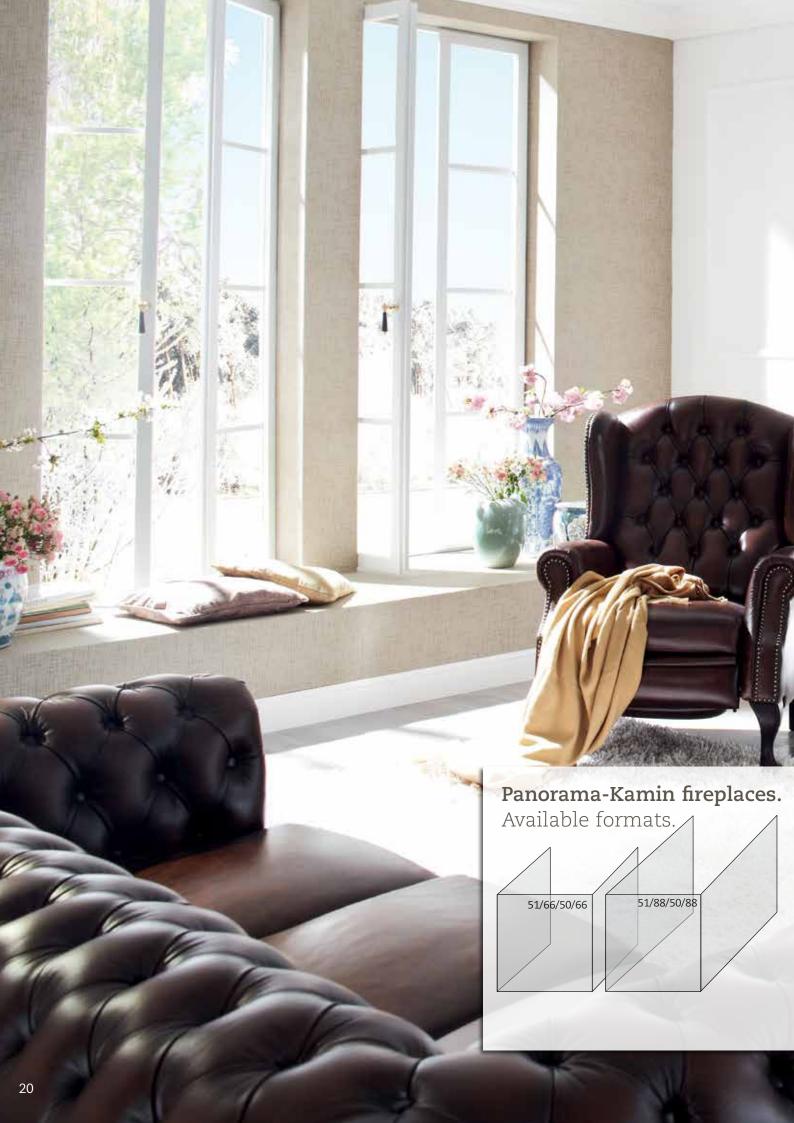
Anthracite fireclay with natural stone look (e.g. Panorama 51/25/101/25 and 57/25/121/25)

More details are available from selected BRUNNER Partners (www.brunner.eu)



#### Note on "open door use"

Fireplaces used with open doors will cause higher emissions and have reduced efficiency. This mode of operation should be used less often. Due to air flow inside the room and chimney draught fluctuations caused by weather, the flue gases can be drawn back into the room. We recommend to close the fireplace





# The masterpiece.

Lifting doors with three-sided glazing and the perfect "back and forth" movement of sealing faces to and from the fireplace body.

**BRUNNER** fireplaces are distinguished by three different sealing areas, which create a seamless, continuous sealing face:

- The blue zone is inside the lower edge of door profile and seals off its bottom.
- The green zones are sealed off with the "easy-lift" movement in horizontal direction starting from the front of fireplace body just before the door is closed.
- The red zone moves away during opening from the angular contact surface on both sides and returns with the "easy-lift" movement to this surface.



#### Sealing zones details:

blue: lower door frame part on three sides red: vertical door frame part on both sides

green: inner vertical surfaces on both sides and horizontal upper

edge of door

yellow: the "easy-lift" closing process (see page 14) pushes the door against the green sealing faces





# Secure Static.



static load supports for room-high fireplace designs



static load supports for room divider designs





special support frame plate is to be bolted to the floor for the construction of a "floating fireplace"

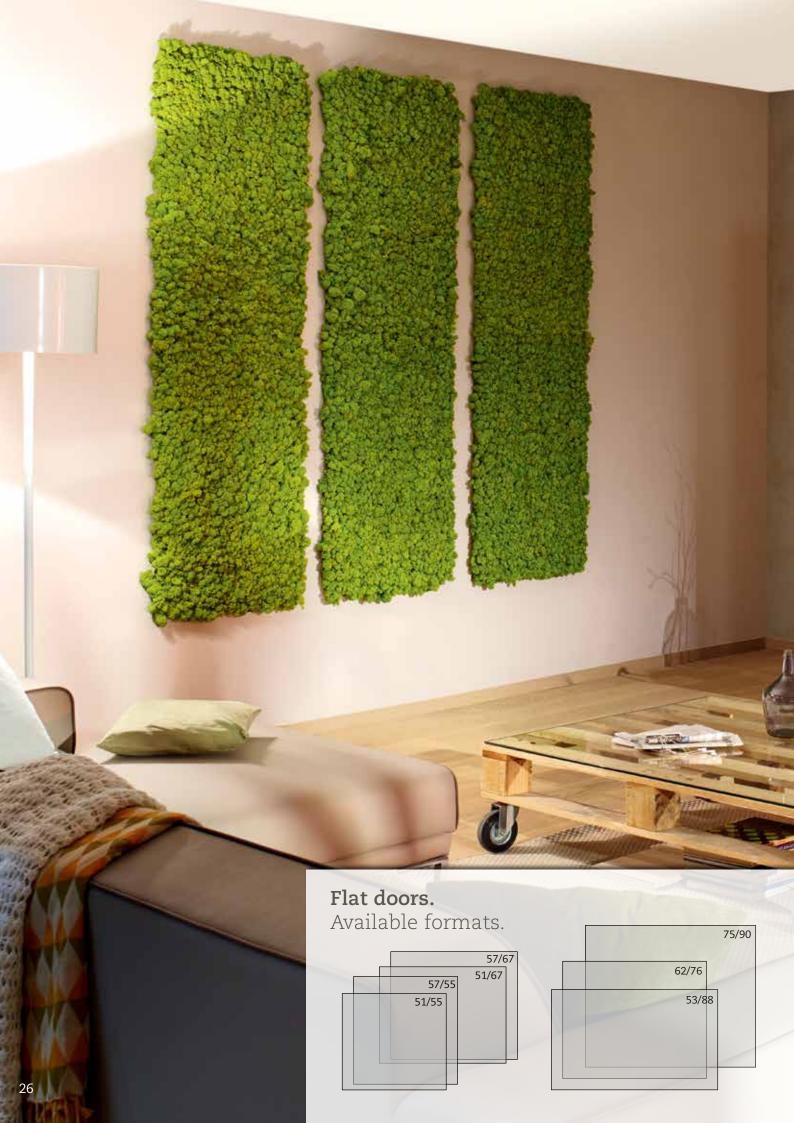
Panorama fireplaces have an adjustable support frame. This allows a safe installation of the cladding with panels.

At constructions with static load, the support will be mount with threaded rods on the ceiling or rear wall.

If the anchorage with threaded rods is not possible on the ceiling or rear wall (e.g. light weight walls), the special supporting frame of BRUNNER is to be used.









# Fireplace systems by BRUNNER.

# Fireplaces with targeted heat release through openings or warm air ducts

For rooms with minor heat demand. With the convection case, the heat of the fireplace insert is released through designated warm air gratings or by warm air ducts into distant rooms. The room of installation is heated mostly by the heat radiation of the large viewing glass. The surface of the fireplace remains "cool" to a great extent.

Due to the targeted extraction of heat, the distance to adjacent walls and insulation thickness can be reduced. It's a perfect solution, when the fireplace must fit in a small place between furniture, cupboards or shelves.



Fireplace: Stil-Kamin 62/76 k with convection case



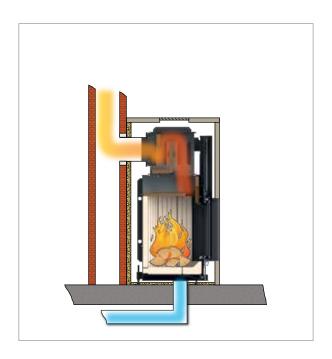


Convection cases are available for the classic fireplaces of the Stil and Architektur series. In this configuration, the heat is pushed to other rooms. The room of installation is not overheated.

# Fireplace systems by BRUNNER.

# Fireplace as heat radiating body with insulation of adjacent wall

...warmth effect comparable to a tiled stove.



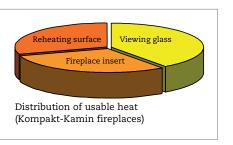


fireplace with top-mount steel smoke hood.

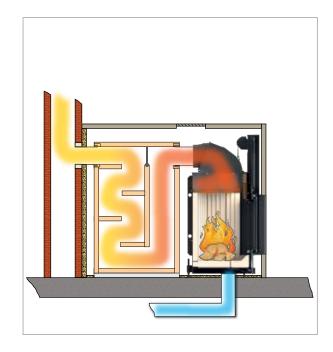
The hot combustion gases cool down on the enlarged surface of the smoke hood, which leads to warm air release.

It's a perfect solution, if high heating power is required on a small footprint.

- Steel smoke hood with heat exchanger pipes
- "Power hood" with additional heat conductive fins for higher efficiency
- Steel smoke hood as lower version with horizontal outlet







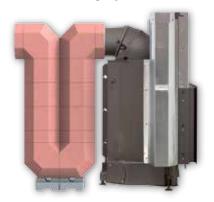
#### Accumulation:

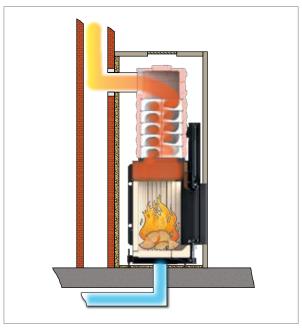
fireplace with adjacent ceramic storage mass.

The hot combustion gases from the firebox are collected by the compact cast iron dome into a powerful stream. This means perfect conditions for storage mass loading, like in a typical tiled stove.

It's a perfect solution, when a larger fireplace has to act as a heat radiating body.

- Cast iron dome with adjustable nozzle
- ▶ Cast iron dome with two nozzles for two different flue gas paths





# Accumulation: W

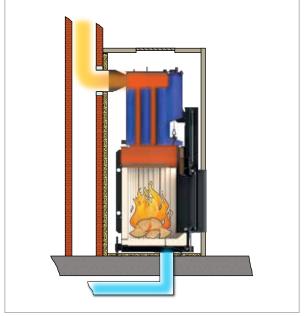
fireplace with top-mount ceramic storage mass.

The hot combustion gases from the firebox flow through a storage block, which is mounted on top of combustion chamber.

It's a perfect solution, when high efficiency and heat radiation effect is required on smallest footprint area.

With mounting ring for the ceramic storage mass modules





# Water heating:

fireplace with top-mount water leading heat exchanger.

The hot combustion gases from the firebox flow through a water heater, which is mounted on top of combustion chamber.

It's a perfect solution, if the fireplace shall act as additional support for central heating.

With mounting ring for the "Kesselmodul" water heater (only in combination with Kompakt-Kamin fireplaces).



# heatSTOP® - doses the firebox radiation.



When the heat radiation from the firebox is getting too intense, then you can think about a simple but perfect solution:

A radiation limiting curtain is just drawn in front of the viewing glass, acting as a form of "cool-blind". If they are not in use, the foldable segments are stowed invisibly in the lateral receiving shafts. With this technique, depending on the viewing glass format and the heating behaviour, up to 90% of the firebox radiation can be retained.

heatSTOP® is recommended, if the calculated heat demand of the living room to be heated is below 2 kW and a fireplace with large viewing glass is being planned.

With heatSTOP® you can avoid the undesirable "sauna effect" i.e. temporary overheating, without compromising the beauty of visible flames.

heatSTOP® "zick-zack" is offered for the most important and popular viewing glass formats

- 38/86
- 45/101
- 51/67
- 53/121
- 53/166
- 62/76
- Eck 38/86/36





The stable and durable construction is provided as a complete mounting frame assembly. The sliding foldable doors are available in stainless steel with satin finish or painted black. The surface can be plain (Standard), Droplets, Symetric high, Symetric wide. This allows for a wide variety of fire views.

heatSTOP® is available only from BRUNNER and it is a patent protected invention.



heatSTOP® Symmetric high black



heatSTOP® Symmetric cross black



heatSTOP® drops black

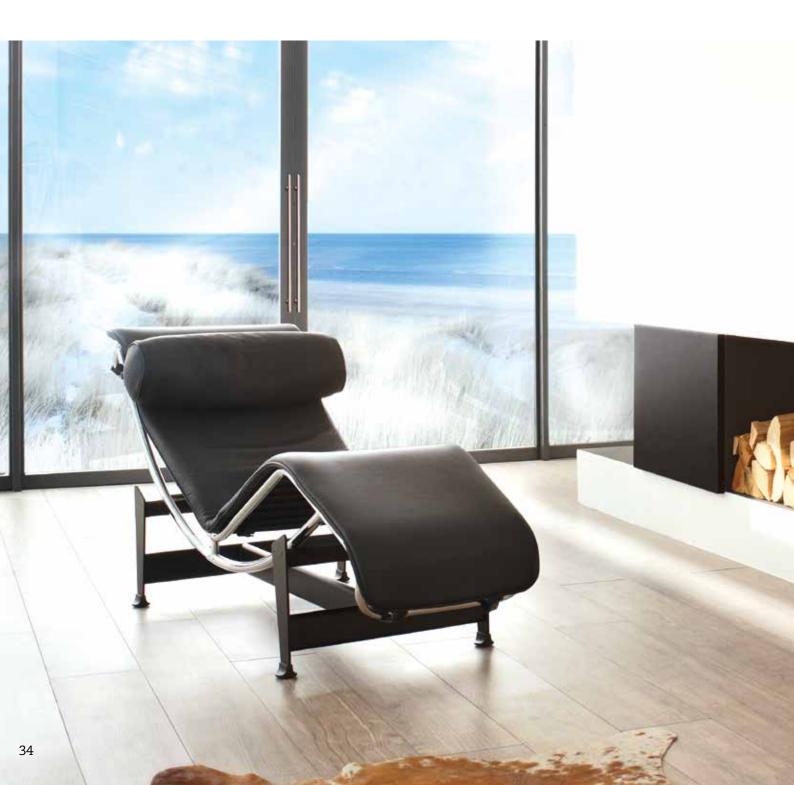


# The Sissi flap.

# In order that a fireplace fire remains a burning fire!

Chimney draught offered by new modular chimneys is often too strong for proper operation of a fireplace. This will cause unsteady flames, poor efficiency and increased soot deposits on the glass.

In such cases we recommend the Sissi flap from **BRUNNER**. The self-adjusting flap is installed in a bypass between the combustion air supply and flue gas system. It functions as an auxiliary air intake device, ensuring a constant chimney draught.







Fire grill 24/30 defined for small fireplaces

Fire grill 42/30 defined for larger fireplaces





### Tip:

For ease of cleaning in the dishwasher or for stowing away, the stainless steel feet can be removed easily

# Enjoy the time

When the fire goes out and only the embers remain, the time has come to invite family and friends for an autumn, winter or spring barbeque.

With the BRUNNER fire grill, the steam and smoke goes into the chimney after burn off without additional heat input or extraction.

Due to the two handles of the grill the rack can be placed on the hot ember bed for optimum heat from below. The hot firebrick wall provides the rest.

Now you only need to gain the experience for when the sausage, prime rib or fish is optimally cooked and is ready to be brought to the table.

A wonderful way to combine fun and enjoyment!



tv.brunner.de/ feuergrill

Videos under



#### The variants.

#### Flat

### Side-opening doors



Kompakt

51/55

on: 125 mm



Kompakt-

51/67

n tion: 125 mm

rated heat







Kompakt-Kamin

57/55

power: 8 KW flue outlet: 200 mm combustion air connection: 125 mm

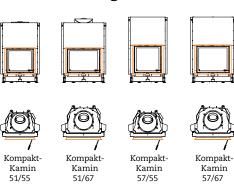
rated heat



Kompakt-57/67 rated heat

power: 11 KW flue outlet: 200 mm combustion air connection: 125 mm

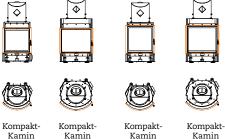




Lifting doors

#### Flat Tunnel

#### Round



	51/55
rated heat power: flue outlet:	8 KV 200
combustion air connecti	on: 125

Kamin 51/67

57/55

Kamin 57/67

Kompakt-Kamin

51/55

Kompakt-

51/67

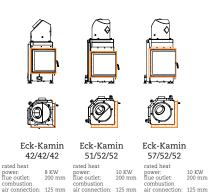
Kompakt-Kamin

57/55

Kompakt-

57/67

#### "Eck" corners



#### Panorama



Type designation = door format, e.g. height x width in cm Frames are highlighted in orange

















Stil-Kamin 62/76



Stil-Kamin

62/76 k

Stil-Kamin

Stil-Kamin

53/88 k

Stil-Kamin 75/90

0

Architektur-Architektur-

rated heat power: flue outlet: combustion 11 KW 250 mm n · 125 mm

rated heat power: 10,5 KW flue outlet: 250 mm combustion air connection: 125 mm

rated heat 10,5 KW 200 mm power: 10,5 KW flue outlet: 200 mm combustion air connection: 125 mm rated heat power: 11 KW flue outlet: 250 mm combustion air connection: 125 mm

53/88

rated heat power: flue outlet: combustion air connecti ion: 125 mm rated heat power: 14 KW flue outlet: 250 mm combustion air connection: 125 mm

38/86 rated heat power: 10 KW flue outlet: 200 mm combustion air connection: 125 mm 10 KW 200 mm

Kamin

38/86 k rated heat 8 KW 200 mm power: flue outlet: combustion air connect on rtion: 125 mm

Kamin





Tunnel

51/67 rated heat
power: 11 KW
flue outlet: 250 mm
combustion
air connection: 125 mm











Tunnel 62/76 ed heat power: 10,5 KW flue outlet: 250 mm combustion air connection: 125 mm





Tunnel 53/88 rated heat power: 11 KW flue outlet: 250 mm combustion air connection: 125 mm





Stil-Kamin Tunnel 75/90

rated heat power: 14 KW flue outlet: 250 mm combustion air connection: 125 mm





Architektur-Kamin Tunnel 38/86

rated heat power: 10 KW flue outlet: 250 mm combustion air connection: 125 mm



Eck-Kamin

57/82/48 1







rated heat power: 12 KW power: 12 KW flue outlet: 250 mm combustion combustion air connection: 125 mm



Eck-Kamin

57/82/48 r



Eck-Kamin 70/33/33

rated heat
power: 8 KW
flue outlet: 180 mm
combustion
air connection: 125 mm









Architektur-Kamin Eck 38/86/36 1

Architektur-Kamin Eck 38/86/36 r

rated heat rated heat rated neat power: 10 KW power: 10 KW flue outlet: 200 mm combustion air connection: 125 mm air connection: 125 mm



















Panorama-

Kamin







rated heat
power: 11 KW
flue outlet: 250 mm
combustion
air connection: 160 mm



Kamin 57/25/85/25 rated heat power: 13,5 KW flue outlet: 250 mm combustion air connection: 160 mm



Panorama-Kamin 51/25/101/25 rated heat
power: 12 KW
flue outlet: 250 mm
combustion
air connection: 160 mm



rated heat
power: 13 KW
flue outlet: 250 mm
combustion
air connection: 160 mm

Kamin

rated heat	
power:	8 KW
flue outlet:	200 mm
combustion	
air connection:	125 mm

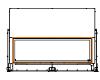
















Architektur-

Kamin





#### Architektur-Kamin 45/101

rated heat
power: 14 KW
flue outlet: 250 mm
combustion
air connection: 125 mm



n- 125 mm

rated heat power: flue outlet: combustion air connecti

53/121 rated heat power: 13,5 KW flue outlet: 250 mm combustion air connection: 125 mm Architektur-Kamin 53/135

rated heat power: 14,5 KW flue outlet: 250 mm combustion air connection: 125 mm

Architektur-Kamin 53/166

power: 17,0 KW flue outlet: 250 mm combustion air connection: 125 mm













Architektur-Kamin Tunnel 45/101

rated heat
power: 14 KW
flue outlet: 250 mm
combustion
air connection: 125 mm



Architektur-Kamin Tunnel 53/121

rated heat
power: 13,5 KW
flue outlet: 250 mm
combustion
air connection: 160 mm



Architektur-Kamin Tunnel 53/135

rated heat power: 14,5 KW flue outlet: 250 mm combustion air connection: 160 mm



Architektur-Kamin Tunnel 53/166

ted heat 17,0 KW 250 mm power: 17,0 KW flue outlet: 250 mm combustion air connection: 160 mm



Architektur-



Architektur-



Kamin Eck Kamin Eck 45/67/44 l 45/67/44 r

rated heat power: 11 KW power: 11 KW flue outlet: 250 mm flue outlet: 250 mm combustion air connection: 125 mm air connection: 125 mm





















Architektur-Kamin Eck 53/121/50 l



Architektur-Kamin Eck 53/121/50 r

rated heat power: 12 KW flue outlet: 250 mm combustion air connection: 125 mm rated heat power: 12 KW flue outlet: 250 mm combustion air connection: 125 mm rated heat power: 14,5 KW flue outlet: 250 mm combustion air connection: 125 mm rated heat power: 14,5 KW flue outlet: 250 mm combustion air connection: 125 mm rated heat power: 14,5 KW flue outlet: 300 mm combustion air connection: 160 mm rated heat power: 14,5 KW flue outlet: 300 mm combustion air connection: 160 mm







Necessary accessories for optimal chimney draught, perfect efficiency and beautiful flames:

- The BRUNNER damper flap before chimney entrance.
- The BRUNNER Sissi flap in combustion air system.



## For your safety:

A fireplace is a friend for a lifetime. To keep this promise, we've done a lot to ensure the best possible quality of all BRUNNER components. Even the relatively high weight of our products seems to underline our main motto:

"Only the best is good enough for your fireplace." Therefore insist on genuine BRUNNER.

We guarantee with our good name for every piece of our fireplaces.

Eggenfelden, May 2014

Illrich Brunner

made in germany



The perfect fire enjoyment





The free Brunner App for iPhone, iPad & Android is now available from App Store & Google Play.

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