



**Fireplace cassettes  
and doors**



2  
3

I have always been fascinated by the warmth, comfort and feeling of security provided by a crackling open fire. I am passionate about providing outstanding fireplace technology with the very highest level of technical quality and sophisticated innovations. And because we know that the glowing flames of a fireplace are the emotional centre point of your home, we place great value on exquisite design to ensure an exceptional and individual fireplace architecture.

At Spartherm we are driven by our burning ambition to combine the fascination of fire with the demands of the latest lifestyle and living environment. For more than 30 years.

Please accept our warmest welcome






*G. M. Rokossa.*

Gerhard Manfred Rokossa

Founder and managing partner



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Warming fire so snugly.



# Rediscovering fire

A cool evening - a warming fire in an open fireplace.  
The definition of romantic.

If only there were no flying sparks, ash residue and you didn't need to constantly refill it with wood. And furthermore: With older fireplaces, the greatest amount of heat is lost up the chimney and does not radiate into the room.

Wouldn't a fire be more romantic if you didn't have to keep checking up on the fireplace?

With a fireplace cassette or a fireplace door, you get the cleanest, most effective and fastest solution.  
This is why at Spartherm we offer custom-made fireplace cassettes for every open fireplace.

What this means for you: less work with your fireplace,  
greater safety - and more romance.





# The perfect addition to every fireplace

What appeared to be adventurous to us as a child is an annoyance as an adult: ineffective combustion, ash residues that are difficult to deal with and unpredictable flying sparks at a moderate level of heating capacity are no longer acceptable.

Do you want a fireplace with a modern design, warmth that can be felt rapidly and optimal combustion performance that has been individually tailored to your requirements?

On the next few pages, you will see that we can provide you with the right solution for your open fireplace in any room situation and any ambience with a Spartherm fireplace cassette or fireplace door.

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The benefits of a fireplace cassette:

- better heating capacity
- no flying sparks
- controlled combustion
- fuel material is saved
- can be retro-fitted to almost any type of open fireplace
- no chiseling or masonry work required during installation



Your choice –  
our range

## Available frame finishes

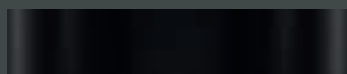
LINEAR Fireplace cassettes



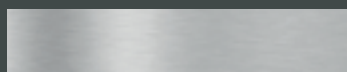
Standard | black



Custom-made model



Standard | black



Stainless steel brushed VAG









*"I love my new,  
old fireplace  
and enjoy the  
flickering and  
warming fire."*

## LINEAR STANDARD FIREPLACE CASSETTES

# Open to modern safety concepts

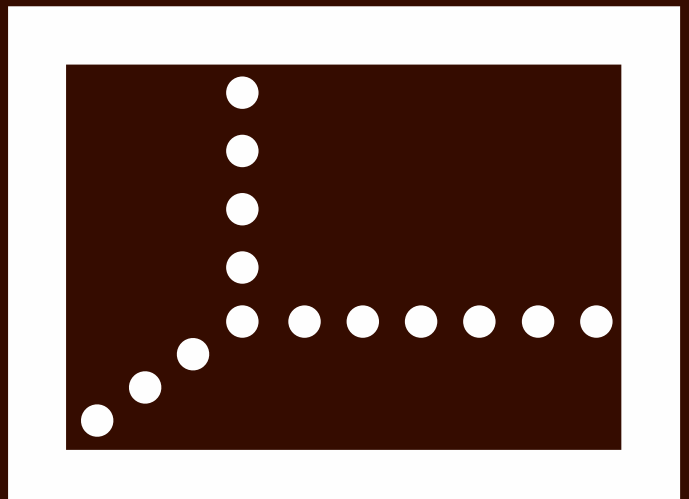
Enjoy a fire in a contemporary framework. For more safety and healthy, clean air inside and outside.

All Spartherm products fulfil the 2nd level of the German Federal Emission Control Act (BimSchV) and are available in five sizes and in the Standard frame colour, black.

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LINEAR S 600	14-15
LINEAR L 800	16-17





# LINEAR XL 900

A classic modern interpretation. An elegant and low-key design puts the fire at the centre of the room.



## TECHNICAL DATA

**Nominal heat output:** 10.5 kW · **Door function:** hinged

**Energy efficiency class:** A · See pages 48-49 for technical details

**Installation dimension:**



610

866





12

13





# LINEAR XS 500

**A fascinating interplay of elements.** Compact pre-fabricated elements can be integrated expertly into every space and every ambience.



## TECHNICAL DATA

**Nominal heat output:** 4.0 kW · **Door function:** hinged

**Energy efficiency class:** A+ · See pages 48-49 for technical details

**Installation dimension:**



523

405

# LINEAR S 600

**An eye-catcher in any room.** The effect in any room is elegantly underlined by the low-key materials and neutral shapes.

14

15

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## TECHNICAL DATA

**Nominal heat output:** 4.9 kW · **Door function:** hinged ·

**Energy efficiency class:** A+ · See pages 48-49 for technical details





Installation dimension:



520

566

# LINEAR L 800

**A cosy atmosphere.** Individual solutions for open room transitions create a successful connection between different areas of life.

16  
17

## TECHNICAL DATA

**Nominal heat output:** 7.9 kW · **Door function:** hinged

**Energy efficiency class:** A+ **Energy efficiency class:** A+

See pages 48-49 for technical details



Installation dimension:



590

766





18

19



*"A cosy place  
to read  
her favourite  
book."*

# The right setting for more safety

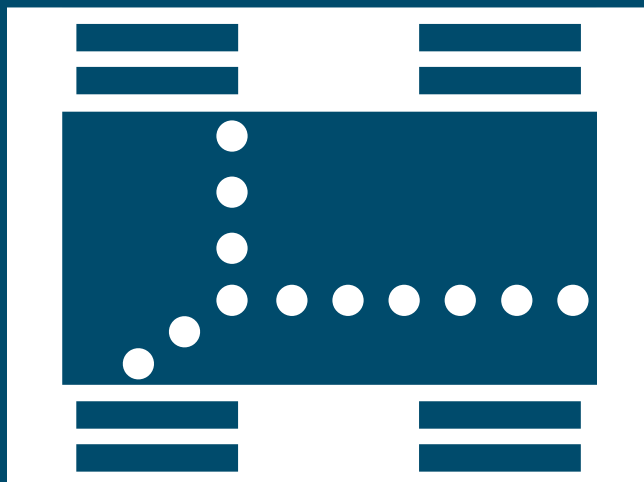
With a fireplace cassette that has been tailor-made just for you, you will increase your feeling of well-being at your usual fireplace with the greatest precision and comfort. Without any time-consuming modifications or a dirty mess.

You can get custom-made special productions for your home from Spartherm. Custom-made fireplace cassettes are divided into two categories: small up to 700 mm and large from 700 mm, so that we are always able to manufacture the right version for you. And this comes with the full level of safety and comfort of the Standard fireplace cassette.

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Fireplace cassette 2L / 2R	21
Fireplace cassette 1V	22-23





# Fireplace cassette 2L / 2R



**The right design.** In any ambience, fire is the cosy centre point of the room.



## TECHNICAL DATA

**Nominal heat output:** up to 700 mm width 6.0 kW / from 700 mm width 8.0 kW · **Door function:** hinged ·

**Energy efficiency class:** A+ · See pages 48-49 for technical details



22  
23

#### TECHNICAL DATA

**Nominal heat output:** up to 700 mm width 6.0 kW / from 700 mm width 8.0 kW · **Door function:** hinged

**Energy efficiency class:** A+ · See pages 48-49 for technical details





# Fireplace cassette 1V

**Tastefully put into perspective.**

Whether it is regional architecture or your own individual taste, fireplace cassettes with a low-key design can be adapted to any look and provide an clear view of the fire.







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*"I don't just  
have my suits  
tailor-made."*

# Your style - your wishes

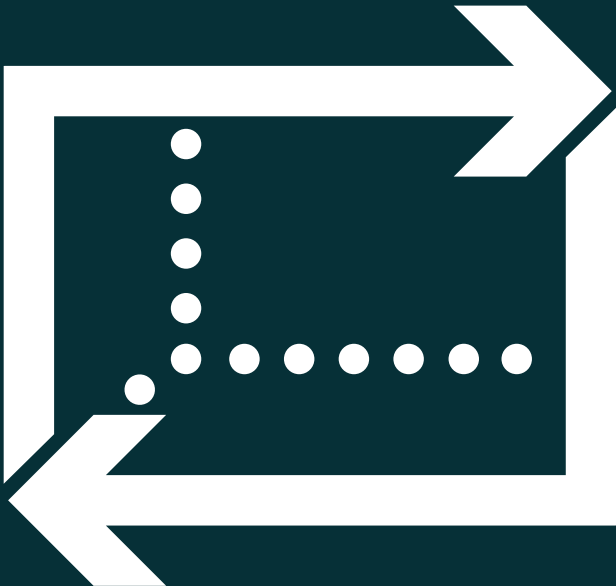
You already have a clear idea of the overall effect your premises should create.  
We manufacture fireplace cassettes according to your wishes and appropriate to your residential design.  
Discover the enormous range of design options that can be achieved using our Spartherm fireplace cassettes.

- Nearly all shapes and sizes can be achieved
- Produced according to your individual specifications
- Many colours and surfaces available for selection
- Professional support and advice
- and much more

Put the finishing touch on your residential ambience and be inspired by our examples.

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3-sided special production	27
Circular special production	28-29
Large special production	30-31







# Custom-made fireplaces

**Individual and unique.** Your fireplace should reflect one thing in particular: Your own style. Your decision for a modern and functional Spartherm fireplace cassette is the first step towards achieving a modern and sustainable form of heating that will provide you with a great opportunity for designing the space.

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## TECHNICAL DATA

Door function: hinged



28

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# Frames that are out of the ordinary ...

... are our **speciality**. There are almost no limits to the diversity of designs here - and that impresses our customers around the world.



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## TECHNICAL DATA

Door function: hinged





30

31





# Perfection in form and function

**The same is also true for custom-made products:** Perfect functionality and uncomplicated and clean installation are convincing arguments in favour of Spartherm fireplace cassettes.



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## TECHNICAL DATA

Door function: hinged






32

33





*"We enjoy the  
time we spend  
together in front  
of the fireplace."*

# Do away with risks to safety

Don't play with fire! It is therefore an important decision to modernise old and inefficient fireplaces. For more heating capacity, more effective combustion and better air. Spartherm fireplace cassettes are thus a clean solution for any room situation.

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## Door closed and fire on!

**Did you know:** The larger the glass area of the fireplace door is, the more warmth that quickly radiates into the room. The doors also provide a perfect view of the snug fire - pure pleasure.



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# A good thing

**Arguments in favour.** Perfect functionality, along with the uncomplicated and clean installation, is a convincing argument for Spartherm fireplace doors.



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## TECHNICAL DATA

Door function: hinged

# What a fit!

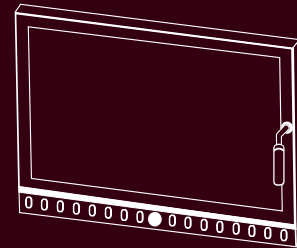
There are five basic versions of Spartherm fireplace doors, straight, prismatic, 2-sided and 3-sided.

## The benefits for you:

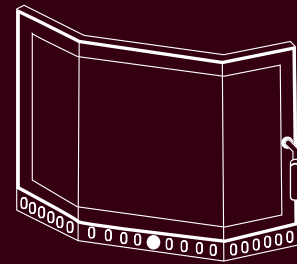
- Safe and clean fire
- Draught-free and pleasant heating
- A great deal of radiant heat via the pane
- Custom-made manufacturing in a very wide range of versions

## A note:

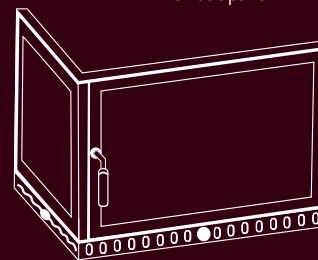
Fireplace doors change the design of the existing open fireplace. It is therefore necessary to coordinate with your neighbourhood chimney sweep.



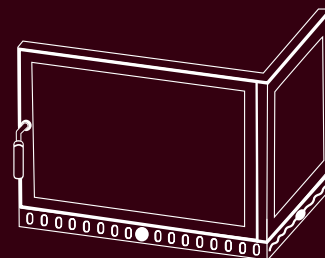
Flat pane



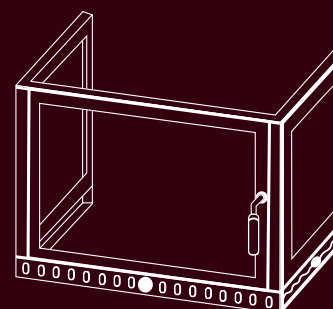
Prismatic pane



L-shaped pane, left



L-shaped pane, right



U-shaped pane



# For every fireplace the appropriate door.



## Installation examples

The fireplace doors are adapted individually to your fireplace.

Different versions and designs are available on request.

**before**




**later**





40

41



*"Spending the weekend in front of the fireplace is what I like best."*

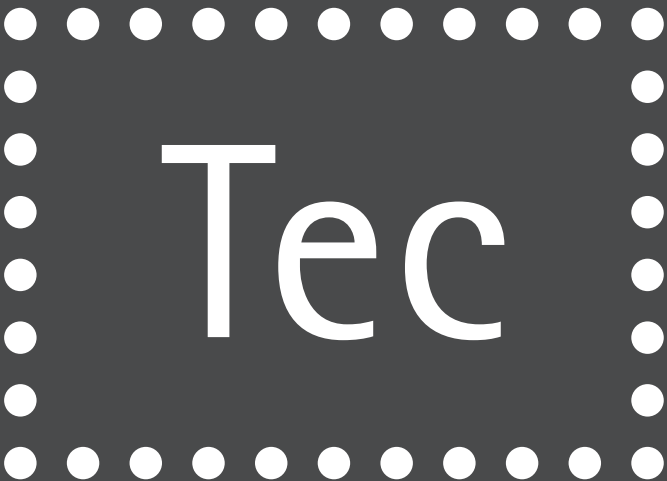


# Our innovations to make the perfect flame

We have the highest requirements for the latest fireplace insert technology. We therefore rely on our own innovations for even higher efficiency and optimal energy usage for your fireplace.  
High-quality materials, the best craftsmanship, the highest level of functionality and the longest service life, that is Spartherm quality that you can rely on.

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# From an open to the perfect fire

The LINEAR Standard fireplace cassettes are matched perfectly to your fireplace with regard to their function, have a modern appearance and are easy and uncomplicated to install.

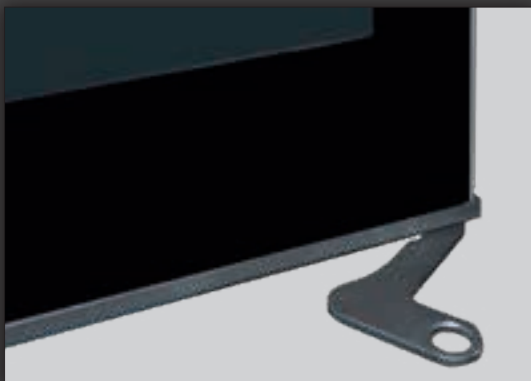
The benefits for you

High technical quality combined with a well-balanced design. With Spartherm LINEAR Standard fireplace cassettes, you can now enjoy your fireplace with even more warmth and greater safety.

- Low-key frame solution, big viewing panel for optimum fire experience
- High efficiency
- Retrofitting a blower is possible
- Safe locking mechanism

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45



Handle opened



Handle closed



Printed pane



Speed regulator for the hot-air blower





# Your perfect fire

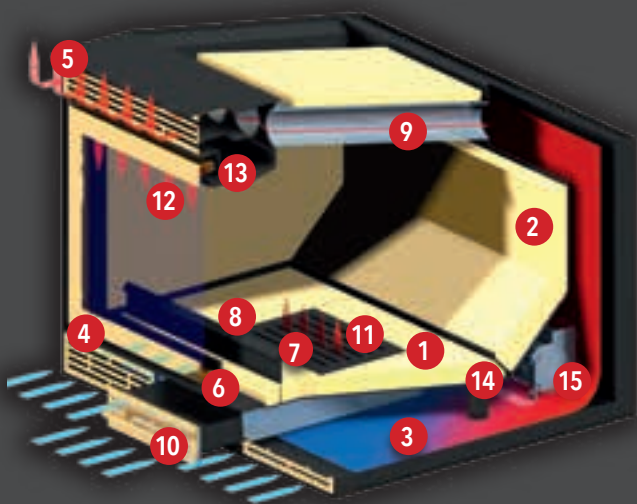
The production of your new fireplace cassette is carried out in accordance with the structural conditions and the exact dimensions that are determined on site by the fireplace installer.

Spartherm fireplace cassettes and doors are always manufactured precisely. As a result, every item produced is an individual piece.

Spartherm fireplace cassettes and doors are available in a wide range of fronts, shapes and versions. Furthermore, we also manufacture fireplace cassettes and doors exactly in accordance with your expectations and wishes in our factory.

## Incredible technology

The working principle of the custom-made fireplace cassettes



- 1 Firebox bottom, with moulded fire-clay bricks
- 2 Firebox walls lined with vermiculite
- 3 Double-layered base and walls to circulate the convection air
- 4 Air intake slats for the convection air (cold air)
- 5 Air outlet slats for the convection air (hot air)
- 6 Ash pan
- 7 Ash grate
- 8 Wood catcher
- 9 Heat exchanger pipes for the convection air
- 10 Integrated primary air control (handle adjustable/rotatable)
- 11 Primary air intake into the firebox
- 12 Secondary air intake (pre-heated air)
- 13 Control lever for continuous adjustment of the secondary air (operation using the 'cold hand')
- 14 Adjustable feet for aligning the cassettes
- 15 Optional fan





LINEAR XL | 900

LINEAR L | 800

LINEAR M | 700

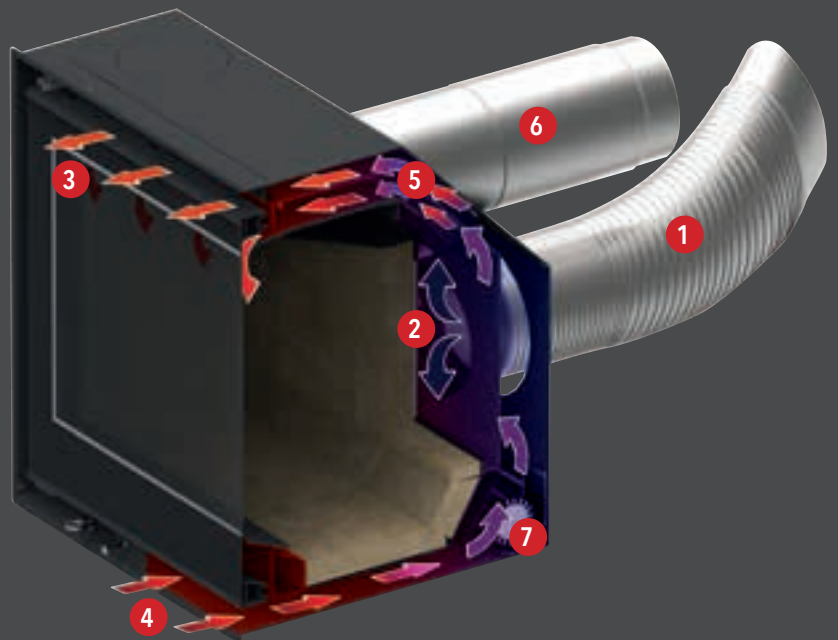
LINEAR S | 600

LINEAR XS | 500



## Principle of operation of Standard fireplace cassettes

- 1 Combustion air (in this case via optional flow pipe)
- 2 Cold air inlet
- 3 Warm air inlet
- 4 Secondary combustion air
- 5 Primary combustion air
- 6 Flue gas
- 7 Optional fan





# Technical data

## LINEAR Standard cassettes



			LINEAR XS 500		LINEAR S 600		LINEAR M 700		LINEAR L 800		LINEAR XL 900	
			D4	E4	D5	E5	D6	E7	D8	E10	D11	E14
Fuel			Wood logs		Wood logs		Wood logs		Wood logs		Wood logs	
Dimensions	Installation dimension height	mm	345		510		610		710		810	
	Installation dimension width	mm	456		453		503		523		543	
	Overall width (frame: Standard) <sup>1)</sup>	mm	470		666		766		866		966	
	Overall depth	mm	352		462		494		524		554	
	Flue pipe Ø	mm	130		150		150		180		200	
Operating performance	Energy efficiency class		A+	A+	A+	A+	A+	A+	A+	A+	A	A
	Nominal heat output	kW	4.0	4.6	4.9	4.9	5.9	6.9	7.9	9.9	10.5	14.0
	Heating condition <sup>2)</sup> sufficient for	favourable	m <sup>3</sup>	-	-	-	-	-	-	-	-	-
		less favourable	m <sup>3</sup>	-	-	-	-	-	-	-	-	-
		unfavourable	m <sup>3</sup>	-	-	-	-	-	-	-	-	-
	Thermal output range	kW	4.0-5.2	4.5-6.0	4.5-6.4	4.5-6.4	4.5-7.7	4.8-9.0	5.5-10.3	6.9-12.9	7.4-13.7	9.8-18.2
	Wood feed quantity	kg/h	1.2	1.4	1.5	1.5	1.7	2.0	2.3	3.0	3.2	4.3
	Efficiency	%	> 80		> 80		> 80		> 80		> 79	
	Mass flow of flue gas	g/s	3.8	3.8	4.5	4.5	5.0	5.0	6.5	9.0	10.0	12.0
	Flue gas temperature at connection	°C	252	252	335	335	355	370	360	340	330	365
	Min. supply pressure at connection	Pa	12		12		12		12		12	
	CO emission	mg/m <sup>3</sup>	< 1250		< 1250		< 1250		< 1250		< 1250	
	Particle emissions	mg/m <sup>3</sup>	< 40		< 40		< 40		< 40		< 40	
	Level 2 BlmSchV [Ordinance in the Implementation of the Federal Emission Control Act]		✓		✓		✓		✓		✓	
	15a BVG (Austria)		✓		✓		✓		✓		✓	
	EN 13240		✓		✓		✓		✓		✓	
	DIN Plus		✓		✓		✓		✓		✓	
	Aachen/Munich/Regensburg Regulation		✓		✓		✓		✓		✓	
	Air Purity Directive from January 2011 (for Switzerland)		✓		✓		✓		✓		✓	
	Defra		✓		✓		-		-		-	
Info	Door function		hinged		hinged		hinged		hinged		hinged	
	Weight	kg	54		83		103		130		150	

<sup>1)</sup> Frame: Standard LINEAR cassettes → LINEAR XS 500 = 45mm / LINEAR S-XL = 60mm | Additional diaphragm widths are available | Subject to technical modifications.

<sup>2)</sup> The values are intended merely for orientation. Targeted determination of the heating load must take place in accordance with TR-OL or be carried out in accordance with DIN EN 12831. The room heating capacity can also be varied appropriately by changing the amount of wood filled from 30% with regards to the nominal heat output.

## Heating capacity

The heating capacity is dependent on the quantity and type of the fuel.

## Room heating capacity

The nominal heat output depends on the heating conditions and the room size.

## Custom-made heating cassettes

Value triple for calculating the chimney, in accordance with DIN 4705 Part 1 and Part 2 or EN 13384 at a nominal heat output in accordance with Section 7, Part 1



Heating cassettes small

Heating cassettes large

Wood logs		Lignite		Wood logs		Lignite	
custom-made				custom-made			
custom-made				custom-made			
of up to 700				from 700			
custom-made				custom-made			
custom-made				custom-made			
A+	A+			A+	A+		
6.0		8.0					
165		> 186					
95		145					
65		98					
4.5 – 7.8		5.6 – 10.4					
1.7	1.3	2.4	1.8				
> 80		80					
4.7	5.6	7.2	8.0				
269	272	268	271				
12		12					
< 1250		< 1250					
< 40		< 40					
✓		✓					
✓		✓					
✓		✓					
✓		✓					
✓		✓					
✓		✓					
✓		✓					
hinged		hinged					
-		-					

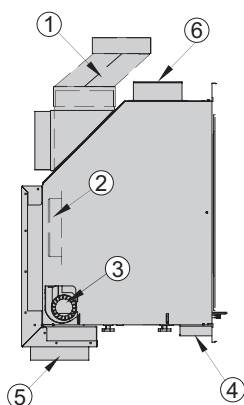
Heating condition	6 kW sufficient for	8 kW sufficient for
favourable	165 m <sup>3</sup>	> 186 m <sup>3</sup>
less favourable	95 m <sup>3</sup>	145 m <sup>3</sup>
unfavourable	65 m <sup>3</sup>	98 m <sup>3</sup>

Source: Handbook of Heating and Air Conditioning Technology Recknagel/Sprenger

### LINEAR cassettes

XS 500 / S 600 / M 700 / L 800 / XL 900

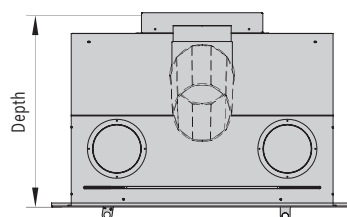
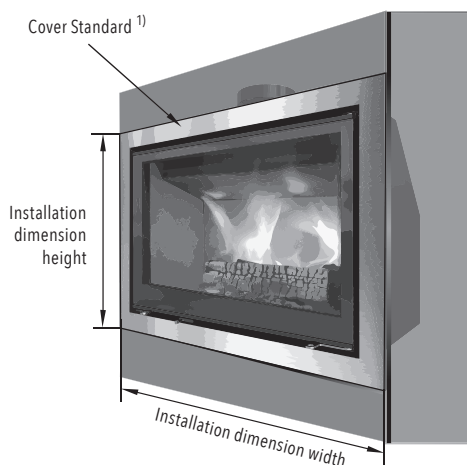
(This drawing is only an example.  
Please use the values from the table on the left-hand side)



### Accessories, optional \*

1	Flue gas offset bend
2	Rear combustion air connection
3	Blower with digital governor
4	Governor housing
5	Bottom combustion air connection
6	Convection nozzle

\* only for the fireplace cassettes  
S 600 / M 700 / L 800 / XL 900



### Presentation of installation dimension:

The installation dimensions is the outer dimension of the visible fireplace insert area when installed.









## Quality and advice from the specialist

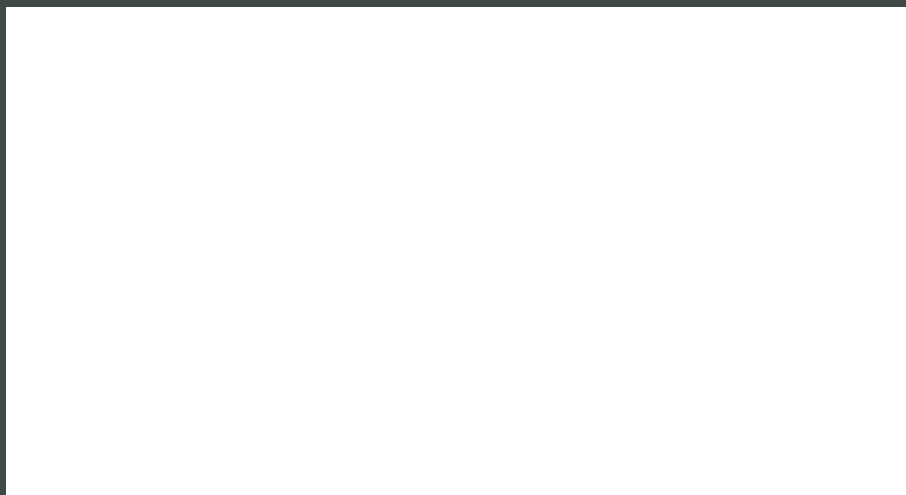
As the market leader in the fireplace inserts and fireplace cassettes sectors, we focus on more than impressive technology and outstanding design. We also look to provide the highest levels of advice, expertise and perfect craftsmanship when we choose our partners. This commitment and a keen eye for detail transform your Spartherm chimney insert into an exclusive fireplace.

Our partners would be pleased to support you at every stage, from consultation to planning through to final assembly.

More information about fireplace cassettes can be found at [www.spartherm.com/en/](http://www.spartherm.com/en/)






Your specialist dealer



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