

**ambiente**  
wood burning stoves



ambiente wood burning stoves



# Are you looking for a stove with an individual character?

Then the ambiente range by Spartherm is just what you need.

The ambiente line combines simple, timeless design with innovative tech-

nology. That's the case whether you want a water-heating stove, a classic stove or something more flamboyant.

You can choose non-room air sealed or room air sealed operation, you can have it with or without a turntable to align the fire with your living area – these are only some of things you can achieve with the ambiente range. And with the optional heat storage elements you can have even more cosy radiant heat in your living-room.



# ambiente

wood burning stoves

The successful ambiente range has been extended with the models a7 and a8. Both are a fine example of Spartherm' exquisite design and great heating technology. That's ambiente!

Experience the seduction of the ambiente range for yourself.



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## Symbols

### **RLA** (Non-room air sealed operation)

This stoves are always provided with connection for the external combustion air intake, which can be used if required. They are not certified for room air sealed operation (Sealed air intake, exhaust pipe, door).

### **RLU** (Room air sealed operation)

Stoves are certified by the DIBt for room air sealed operation. Sealed air intake, exhaust pipe and special door closure.

### **Rotatable**

Rotatable using the special from 90 up to 180 degrees. The position can be fixed to add fuel or for cleaning.

### **Heat storage mass on top**

Stoves that have storage mass in the housing to absorb heat during the combustion and to emit it to the room with a time delay after combustion end.

### **Heat storage mass on side**

Steel covering with gap for heat storage mass or natural stone covering as a heat storage mass.

### **H<sub>2</sub>O**

Stoves with an integrated water heat exchanger, which extracts heat from the hot flue gases and makes it available to the buffer of the central heating as additional energy.



Rotatable



a4 Top outlet 135 kg



a4 Rear outlet 110 kg



a3 Top outlet 45 kg









a3 Rear outlet 45 kg



# a1

## THE CLASSIC STOVE

State-of-the-art technology in classic design. It fits seamlessly into any room with its timeless design. In front of a straight wall or discreetly in the corner. a1 always finds the right place. The pleasant clear shape tops off the enjoyment of the fire.

-  RLA
-  RLU
-  Rotatable, optional
-  Heat storage
-  Lateral heat storage
-  H<sub>2</sub>O

Explanation of symbols used on page 4



Form and function. Every detail is thought through and looks good

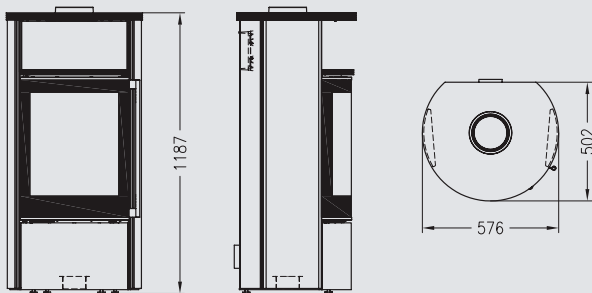














All lines and materials unite to create a perfect form



6

Nominal heat output: 5.9 kW  
 Heating capacity: 165 m<sup>3</sup>  
 Weight depending on material: 180-220 kg



|         | Nero Steel   | Graphite Steel  | Pearl Steel (semi-matt)   | Steel Terra   | Caramello Sandstone   | Soapstone   |
|---------|--|---|---|---|---|---|
| Surface |  |  |  |  |  |  |
| Body    |  |  |  |  |  |  |

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# a2

## THE INTERESTING STOVE

Its remarkable shape makes it interesting. Classically round at the front, square and distinctive on the sides. Its sophisticated layout uses little space. a2 is the ideal solution for difficult space situations. There is room for a nice fire everywhere.

-  RLA
-  RLU
-  Rotatable, optional
-  Heat storage
-  Lateral heat storage
-  H<sub>2</sub>O

Explanation of symbols used on page 4



Simple elegance made of steel and natural stone.

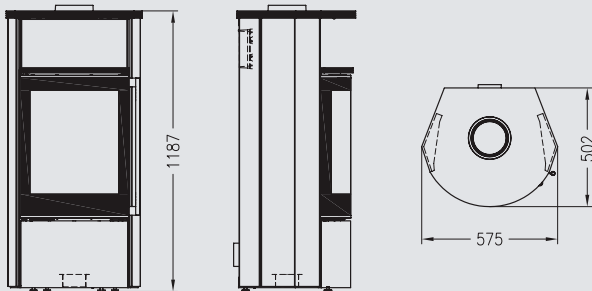














Straight lines. A straightforward design.



8

Nominal heat output: 5.9 kW  
 Heating capacity: 165 m<sup>3</sup>  
 Weight depending on material: 180-220 kg



|         | Nero Steel   | Graphite Steel  | Pearl Steel (semi-matt)   | Steel Terra   | Caramello Sandstone   | Soapstone   |
|---------|--|---|---|---|---|---|
| Surface |  |  |  |  |  |  |
| Body    |  |  |  |  |  |  |



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# a3

## THE ELEGANT STOVE

Form and function complement each other perfectly. Its clear lines make it an impressive object made of steel and fire. As a room divider, in front of a wall or in the middle of a room. a3 is always an eye-catcher.

-  RLA
-  RLU
-  Rotatable, optional
-  Heat storage
-  Lateral heat storage
-  H<sub>2</sub>O

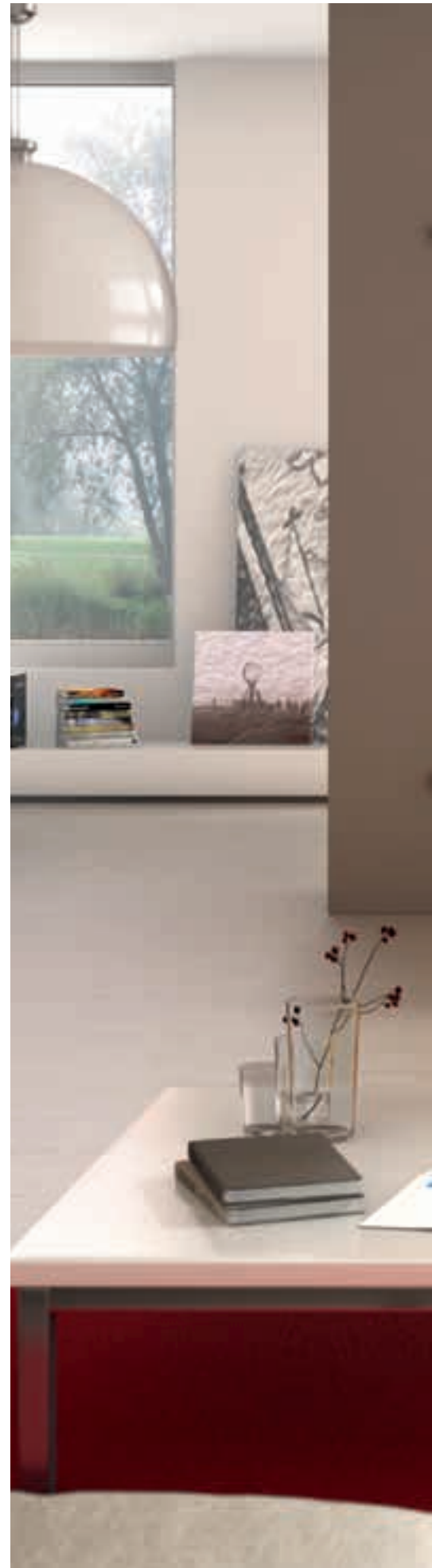
Explanation of symbols used on page 4



Perfect harmony in form and function.

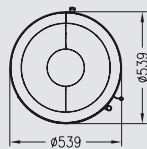
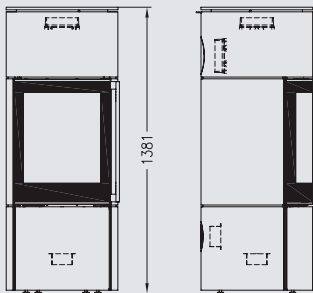










Beautifully shaped and consistent. Everything is round.



10

Nominal heat output: 5.9 kW  
 Heating capacity: 165 m<sup>3</sup>  
 Weight: 180 kg



|         | Nero Steel   | Graphite Steel  | Pearl Steel (semi-matt)   | Steel Terra   |
|---------|--|---|---|---|
| Surface |  |  |  |  |
| Body    |  |  |  |  |

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# a4

## THE FLAMBOYANT STOVE

Design and technology in perfect harmony. The a4 convinces with its noble appearance and its details. Imposingly it stands in the room. A real masterpiece.

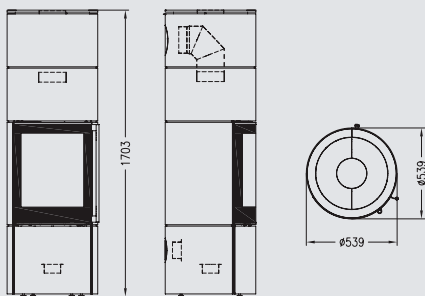


The integrated door handle is both comfortable and beautiful - RLU version.

-  RLA
-  RLU
-  Rotatable, optional
-  Heat storage
-  Lateral heat storage
-  H<sub>2</sub>O

Explanation of symbols used on page 4

12



Nominal heat output: 5.9 kW  
 Heating capacity: 165 m<sup>3</sup>  
 Weight: 200 kg

| Surface                 | Body                    |
|-------------------------|-------------------------|
| Nero Steel              | Nero Steel              |
| Graphite Steel          | Graphite Steel          |
| Pearl Steel (semi-matt) | Pearl Steel (semi-matt) |
| Steel Terra             | Steel Terra             |



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# a4 H<sub>2</sub>O

## THE POWERFUL STOVE

Its capability is visible.  
65 % water heating makes it a storage giant. Why not make use of its convincing performance to save energy. Technology that inspires.

-  RLA
-  RLU, optional
-  Rotatable
-  Heat storage
-  Lateral heat storage
-  H<sub>2</sub>O

Explanation of symbols used on page 4



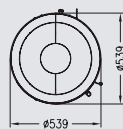
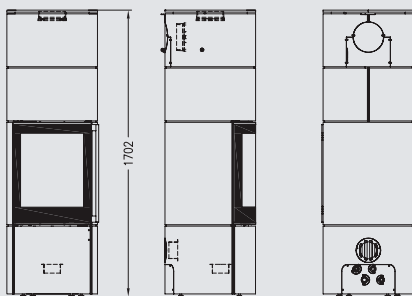
The integrated door handle is both comfortable and beautiful - RLU version.



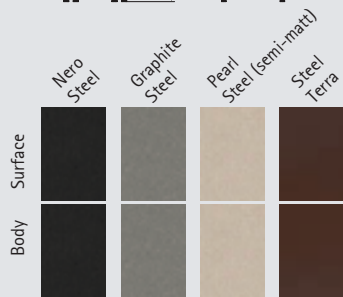
Cleaning mechanism for water heat exchanger.



14



Nominal heat output: 8.0 kW  
Water heating contribution: 5.2 kW  
Water heat contribution related to nominal output: 65 %  
Heating capacity: 186 m<sup>3</sup>  
Weight: 230 kg



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# a4 H<sub>2</sub>O

H<sub>2</sub>O 

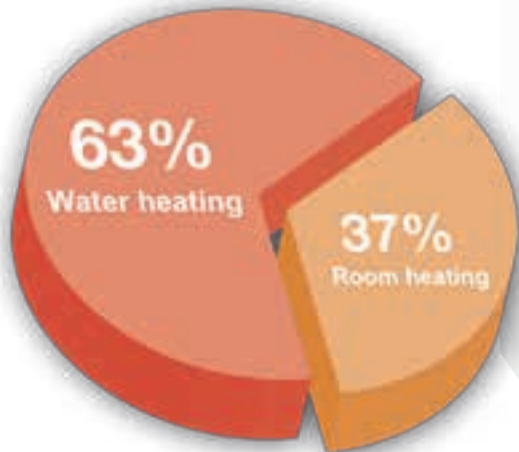
JUST IMAGINE HOT WATER COMING FROM YOUR STOVE.

Not directly, of course, just metaphorically speaking. The wonderfully visible stove fire heats the "cold" water from the accumulator tank via the water heat exchanger, which is integrated in the stove. Once heated, the hot water is returned to the accumulator tank. The heat can then be used throughout the home, via radiators and underfloor heating or for baths and showers.

In addition to heating water, the stove emits warm radiant heat to the room where it is installed.



16







Using only 2,0 kg of firewood, you can:

- stove +15,4°C
- shower 39°C 8,0 min
- bath 39°C 40 litres

## A LITTLE FIREWOOD – HUGE BENEFITS.

With just 2.0 kg/h firewood you can keep the inside temperature of 73 m<sup>2</sup> living space of an KfW 70 house at 20 °C, thanks to the radiant heat of the stove.







In addition, use the water heat exchanger to either:

- raise a 300 l accumulator tank from 40 °C to 55.4 °C water temperature or
- shower for 8.0 mins with a water temperature of 39 °C or
- run one 140 l bath with a water temperature of 39 °C.

# a5

## THE STRAIGHT LINES SOLUTION FOR HEAT STORAGE

The a5 is a real storage marvel and its long-lasting radiant heat makes it the perfect partner for you. A compact shape, but huge capacity. The a5 provides an impressive 120 kg of heat storage medium. Depending on the version, you can increase the storage medium to over 230 kg. An elegant stove with clean lines, high thermal storage potential and convenience. A master in its class.

-  RLA
-  RLU, optional
-  Rotatable, optional
-  Heat storage, optional
-  Lateral heat storage
-  H<sub>2</sub>O

Explanation of symbols used on page 4



Pull-out ash pan

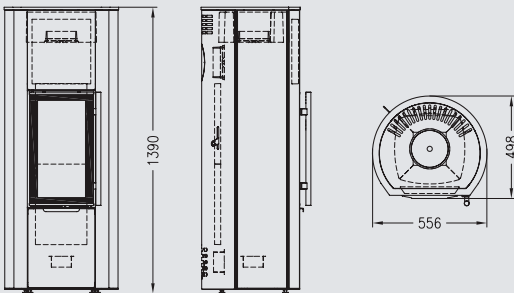


Elegant handles in a choice of finishes and Smart-Close system (rear view)



18

Nominal heat output: 7.0 kW  
 Heating capacity: 186 m<sup>3</sup>  
 Weight according to material: 225–255 kg



|         | Nero Steel | Graphite Steel | Steel Terra | Pearl Steel | Caramello Sandstone | Caramello Sandstone | Soapstone | Soapstone Graphite |
|---------|------------|----------------|-------------|-------------|---------------------|---------------------|-----------|--------------------|
| Surface |            |                |             |             |                     |                     |           |                    |
| Body    |            |                |             |             |                     |                     |           |                    |

# ambiente







wood burning stoves



# a6

## STRAIGHT-LINED STOVE DESIGN

We combined stone, glass and steel to create the perfect stove for architectural enthusiasts. Just using the contrast between the robust heat storage material and the lightweight pieces of glass, affixed below and above the combustion chamber we manufacture a fire cathedral able to achieve the best heating results.

-  RLA
-  RLU, optional
-  Rotatable, optional
-  Heat storage, optional
-  Lateral heat storage
-  H<sub>2</sub>O

Explanation of symbols used on page 4



Lower storage compartment with glass door

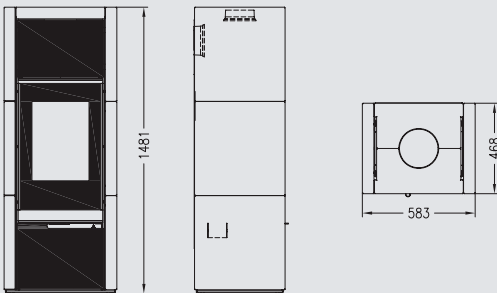














Pull-out ash drawer for comfortable removal of residual ash.



20

Nominal heat output: 5.9 kW  
 Room heating capacity: 165 m<sup>3</sup>  
 Weight (according to material): 355 - 490 kg



|         | Nero Steel   | Graphite Steel  | Steel Terra   | Steel Pearl   | Steel white   | Soapstone   |
|---------|--|---|---|---|---|---|
| Surface |  |  |  |  |  |  |
| Body    |  |  |  |  |  |  |

# ambiente







wood burning stoves



# a6 H<sub>2</sub>O

## THE VERSATILE STOVE

The hydronic stove ambiente a6 H<sub>2</sub>O does not differ in its external appearance from the standard warm air version -the ambiente a6-. With the integrated water heat exchanger, this stove achieves of up to 60% water heating output. The water connections can be reaching without difficulties, as these are located in a lower storage compartment behind an easily removable cover plate.

-  RLA
-  RLU, optional
-  Rotatable, optional
-  Heat storage
-  Lateral heat storage
-  H<sub>2</sub>O

Explanation of symbols used on page 4



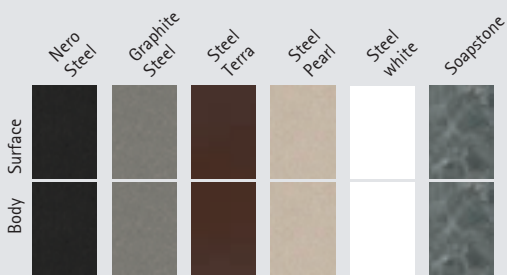
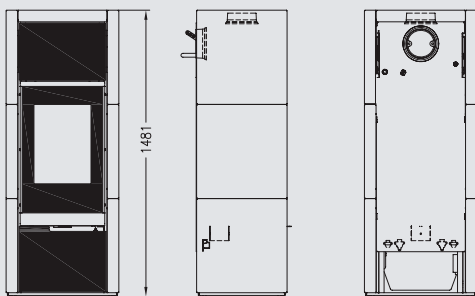
Pull- out ash drawer



Air adjustment lever,  
Functionality down to the smallest detail

22

Nominal heat output: 7.9 kW  
Room heating capacity: 186 m<sup>3</sup>  
Weight according to material: 340 - 430 kg



# ambiente

wood burning stoves









# a7

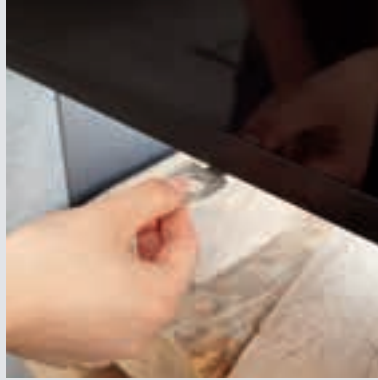
## THE IMPOSING WOOD BURNING STOVE

With straight lines, impressive appearance the a7 stove is designed perfectly to enhance the appearance of a modern home. The cladding options include Sandstone and Soapstone, each piece is individually patterned and ensure that the appearance of the a7 will be unique for every home.

The excellent heat output and class leading efficiency demonstrate that the a7 is yet another fine example of Spartherm's heating technology.

-  RLA
-  RLU, optional
-  Rotatable
-  Heat storage
-  Lateral heat storage
-  H<sub>2</sub>O

Explanation of symbols used on page 4

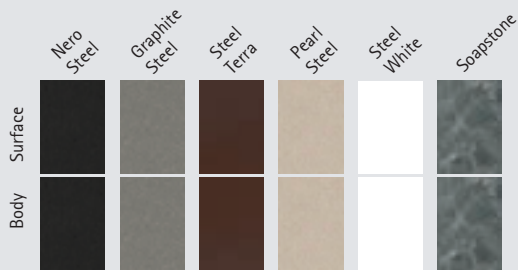
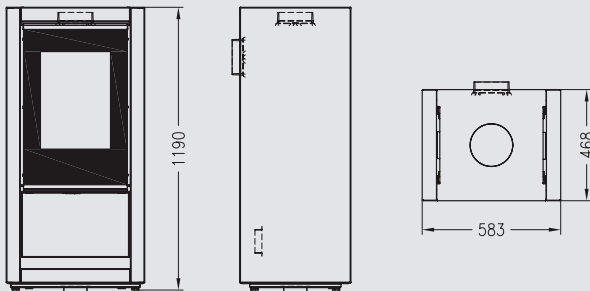


Adjusting lever for Air supply



24

Nominal heat output: 5,9 kW  
Heating capacity: 165 m<sup>3</sup>  
Weight according to material: 200–300 kg





# ambiente







wood burning stoves



# a8

## THE ELEGANT WOOD STOVE

Like the close relative, the a7, the a8 model design has clean, pure lines with an impressive design to further enhance the appearance of a modern home. This double sided stove gives powerful radiant heat and will transform every room into a special place. The a8 is an expression of exquisite design, sophisticated style and will reward every Owner with a great performance.

-  RLA
-  RLU, optional
-  Rotatable
-  Heat storage
-  Lateral heat storage
-  H<sub>2</sub>O

Explanation of symbols used on page 4

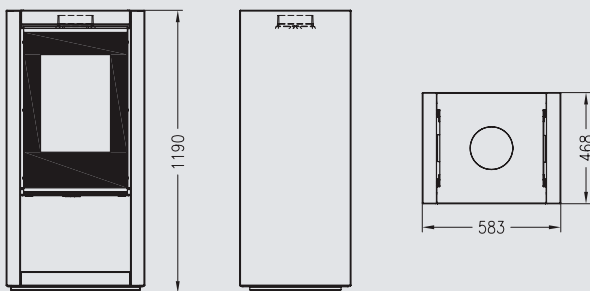














Exceptionally large double sided glass.



26

Nominal heat output: 5,9 kW  
 Heating capacity: 165 m<sup>3</sup>  
 Weight according to material: 200–300 kg



|         | Nero Steel   | Graphite Steel  | Steel Terra   | Pearl Steel   | Steel White   | Soapstone   |
|---------|--|---|---|---|---|---|
| Surface |  |  |  |  |  |  |
| Body    |  |  |  |  |  |  |

# ambiente

wood burning stoves



# LINEAR Module XS

With the small LINEAR Module XS stove, a traditional unused fireplace can be turned into a powerful heat source in no time at all.

This compact stove with a contemporary look and a heat output range up to 4.6 kW, is built to a very high standard and well suited for modern energy-efficient houses or for operation within traditional open fireplaces.

The several base options - Version A, B, C or D - make it possible to match the appropriate mounting height for

almost every installation, alternative the nice bench base provide for especial interior design accents.

The compact and clever design of this stove makes it easy for reinstallation.



# ambiente

wood burning stoves



## Your benefits in a nutshell

- Great view of the fire chamber through a large, printed, frameless window panel.
- Its high efficiency rating makes this stove an economical wood burner.
- Variable installation options with different bases.
- Simple installation requiring very little space
- Elegant air adjustment lever and door handle
- Great thermal rating for rooms up to 120 m<sup>2</sup>
- Only non-room air sealed operation

Design your stove by yourself, according to your needs and requirements.



LINEAR Module XS with Base A



LINEAR Module XS with Base B

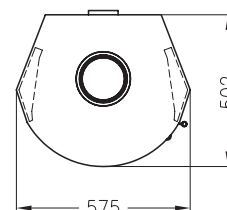
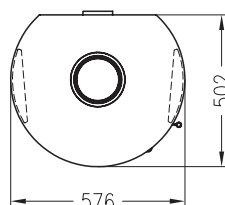


LINEAR Module XS with Base C

Views



Layouts

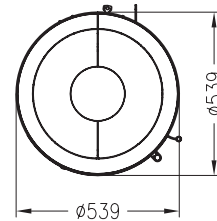
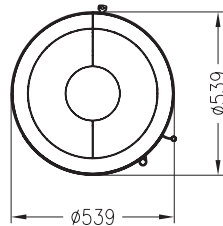
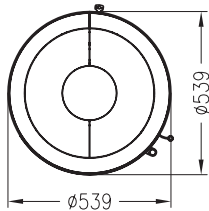


| Catalogue page  | 6                                | 8                                |
|---|----------------------------------|----------------------------------|
| <b>CHARACTERISTICS</b>  |                                  |                                  |
| Nominal heat output   | 5,9 kW                           | 5,9 kW                           |
| Water output range in kW  | -                                | -                                |
| Heat output range min/max   | 4,5 – 7,7 kW                     | 4,5 – 7,7 kW                     |
| Wood loading quantity per hour  | 1,8 kg                           | 1,8 kg                           |
| Room heating capacity (approx.)   | 144 m <sup>3</sup>               | 144 m <sup>3</sup>               |
| Efficiency  | > 80%                            | > 80%                            |
| <b>DIMENSIONS</b> (referring to the models with steel covering)                         |                                  |                                  |
| Stove height / width / depth  | 1185 / 576 / 502 mm              | 1187 / 575 / 502 mm              |
| Flue pipe ø   | 150 mm                           | 150 mm                           |
| Connection height – top outlet  | 1210 mm                          | 1210 mm                          |
| Connection height – rear outlet   | 1025 mm                          | 1025 mm                          |
| Distance front to center of Flue pipe – top outlet                                      | 288 mm                           | 290 mm                           |
| Distance floor to center of external air connector (Ø = 100 mm) – rear connection       | 155 mm                           | 155 mm                           |
| Distance front to center of external air connector – underneath connection (Ø = 100 mm) | 268 mm                           | 268 mm                           |
| <b>WEIGHT</b> (fully assembled depending on the execution)                              |                                  |                                  |
| Steel covering  | 180 kg                           | 180 kg                           |
| Natural stone covering  | 220 kg                           | 220 kg                           |
| Heat storage elements (optional) (with Top outlet/Rear outlet)                          | -                                | -                                |
| <b>MODEL VARIANTS</b> (side covering and top plate)                                     |                                  |                                  |
| Steel   | Nero / Graphite<br>Terra / Pearl | Nero / Graphite<br>Terra / Pearl |
| Natural stone   | Sandstone / Soap stone           | Sandstone / Soap stone           |
| Door – Printed glass ceramic  | Black                            | Black                            |
| <b>FEATURES/ACCESSORIES</b>   |                                  |                                  |
| RLA   | ✓                                | ✓                                |
| RLU   | optional                         | optional                         |
| Rotatable (180°) with rotating flue pipe  | optional                         | optional                         |
| External air connector piece  | ✓                                | ✓                                |
| Heat storage  | -                                | -                                |
| Lateral heat storage  | 35 kg / Side panel               | 35 kg / Side panel               |
| H <sub>2</sub> O  | -                                | -                                |
| <b>CALCULATION DATA</b>   |                                  |                                  |
| Exhaust mass flow with relation to nominal heat output                                  | 5.1 m (g/s)                      | 5.1 m (g/s)                      |
| Exhaust temperature measured in the exhaust flue pipe                                   | 350 °C                           | 350 °C                           |
| Minimum chimney draught for nominal output  | 0.12 mbar                        | 0.12 mbar                        |
| Average CO content of the exhaust gas in relation to 13% of O <sub>2</sub>              | < 1250 mg / Nm <sup>3</sup>      | < 1250 mg / Nm <sup>3</sup>      |
| Dust emission   | < 40 mg / Nm <sup>3</sup>        | < 40 mg / Nm <sup>3</sup>        |
| DIN EN 13240 (European norm)  | RRF - 40 10 2207                 | RRF - 40 10 2207                 |
| DIBt (German Institute for Structural Engineering) Room air sealed operation            | Z-43.12-244                      | Z-43.12-244                      |
| VKFTA No. (Swiss fire protection certificate)   | ✓ only RLA                       | ✓ only RLA                       |
| Art.15a B-VG test report (Austria)  | ✓                                | ✓                                |
| DINplus certification   | ✓                                | ✓                                |
| Requirements of the 1st and 2nd level of BImSchV  | ✓                                | ✓                                |

# a3

# a4

# a4 H<sub>2</sub>O



| 10                               | 12                               | 14                               |
|----------------------------------|----------------------------------|----------------------------------|
| 5,9 kW                           | 5,9 kW                           | 8,0 kW                           |
| -                                | -                                | 5,2 kW                           |
| 4,5 – 7,7 kW                     | 4,5 – 7,7 kW                     | 5,6 – 10,4 kW                    |
| 1,8 kg                           | 1,8 kg                           | 2,2 kg                           |
| 160 m <sup>3</sup>               | 144 m <sup>3</sup>               | ca. 43 m <sup>3</sup>            |
| > 80%                            | > 80%                            | > 88%                            |
| 1381 / 539 / 539 mm              | 1703 / 539 / 539 mm              | 1702 / 539 / 539 mm              |
| 150 mm                           | 150 mm                           | 150 mm                           |
| 1330 mm                          | 1331 mm                          | 1694 mm                          |
| 1145 mm                          | 1525 mm                          | 1541 mm                          |
| 270 mm                           | 270 mm                           | 270 mm                           |
| 275 mm                           | 275 mm                           | 275 mm                           |
| 268 mm                           | 268 mm                           | 207 mm                           |
| 180 kg                           | 200 kg                           | 230 kg                           |
| -                                | -                                | -                                |
| 45 kg / 45 kg                    | → 135 / ↑ 110 kg                 | -                                |
| Nero / Graphite<br>Terra / Pearl | Nero / Graphite<br>Terra / Pearl | Nero / Graphite<br>Terra / Pearl |
| -                                | -                                | -                                |
| Black                            | Black                            | Black                            |
| ✓                                | ✓                                | ✓                                |
| optional                         | optional                         | optional                         |
| optional                         | optional                         | -                                |
| ✓                                | ✓                                | ✓                                |
| optional / 45 kg                 | optional / → 110 / ↑ 135 kg      | -                                |
| -                                | -                                | -                                |
| -                                | -                                | ✓                                |
| 5.1 m (g/s)                      | 5.1 m (g/s)                      | 7.6 m (g/s)                      |
| 350 °C                           | 350 °C                           | 150 °C                           |
| 0.12 mbar                        | 0.12 mbar                        | 0.12 mbar                        |
| < 1250 mg / Nm <sup>3</sup>      | < 1250 mg / Nm <sup>3</sup>      | < 1250 mg / Nm <sup>3</sup>      |
| < 40 mg / Nm <sup>3</sup>        | < 40 mg / Nm <sup>3</sup>        | < 40 mg / Nm <sup>3</sup>        |
| RRF - 40 10 2207                 | RRF - 40 10 2207                 | RRF - 40 10 2550                 |
| Z-43.12-244                      | Z-43.12-244                      | Z-43.12-244                      |
| ✓ only RLA                       | ✓ only RLA                       | ✓ only RLA                       |
| ✓                                | ✓                                | ✓                                |
| ✓                                | ✓                                | ✓                                |
| ✓                                | ✓                                | ✓                                |

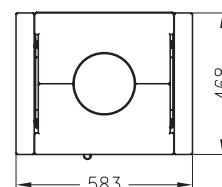
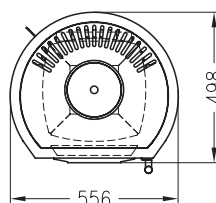
**Notes:**  
Subject to deviations in colours of natural stone in this brochure (printing related).

Subject to colour and technical changes as well as errors.

Views



Layouts



| Catalogue page  | 18                               | 20                                       |                           |
|---|----------------------------------|--|---------------------------|
| <b>CHARACTERISTICS</b>  |                                  | Heat storage attachment                  | Convection air attachment |
| Nominal heat output   | 7.0 kW                           | 5.9 kW                                   |                           |
| Water output range in kW  | -                                | -  |                           |
| Heat output range min/max   | 4.9 - 9.1 kW                     | 4.5 - 7.7 kW                             |                           |
| Wood loading quantity per hour  | 2,2 kg                           | 1,8 kg                                   |                           |
| Room heating capacity (approx.)   | ca. 186 m <sup>3</sup>           | ca. 165 m <sup>3</sup>                   |                           |
| Efficiency  | > 78 %                           | > 82%                                    | > 85%                     |
| <b>DIMENSIONS</b> (referring to the models with steel covering)                         |                                  |  |                           |
| Stove height / width / depth  | 1390 / 556 / 498 mm              | 14810 / 583 / 468 mm                     |                           |
| Flue pipe ø   | 150 mm                           | 150 mm                                   |                           |
| Connection height – top outlet  | 1273 mm                          | 1466 mm                                  |                           |
| Connection height – rear outlet   | 1122 mm                          | 1308 mm                                  |                           |
| Distance front to center of Flue pipe – top outlet                                      | 222 mm                           | 234 mm                                   |                           |
| Distance floor to center of external air connector (Ø = 100 mm) – rear connection       | 153 mm                           | from the bottom to the back              |                           |
| Distance front to center of external air connector – underneath connection (Ø = 100 mm) | 226 mm                           | 350 mm                                   |                           |
| <b>WEIGHT</b> (fully assembled depending on the execution)                              |                                  |  |                           |
| Steel covering  | 225 kg                           | 400 kg                                   | 355 kg                    |
| Natural stone covering  | 275 - 305 kg                     | 450 - 490 kg                             | 405 - 445 kg              |
| Heat storage elements (optional) (with Top outlet/Rear outlet)                          | 110 / 95 kg                      | 45 kg                                    | -                         |
| <b>MODEL VARIANTS</b> (side covering and top plate)                                     |                                  |  |                           |
| Steel   | Nero / Graphite<br>Terra / Pearl | Nero / Graphite / Terra<br>Pearl / White |                           |
| Natural stone   | Sandstone Caramello / Soapstone  | Soapstone                                |                           |
| Door - Printed glass ceramic  | Glass (printed black)            | Glass (printed black)                    |                           |
| <b>FEATURES/ACCESSORIES</b>   |                                  |  |                           |
| RLA   | ✓                                | ✓  |                           |
| RLU   | -                                | -  |                           |
| Rotatable (180°) with rotating flue pipe  | -                                | -  |                           |
| External air connector piece  | ✓                                | ✓  |                           |
| Heat storage  | optional /→ 110 /↑ 95 kg         | inclusiv 45 kg                           | -                         |
| Lateral heat storage  | 40 kg / Side panel               | 53 kg / Side panel                       |                           |
| H <sub>2</sub> O  | -                                | -  |                           |
| <b>CALCULATION DATA</b>   |                                  |  |                           |
| Exhaust mass flow with relation to nominal heat output                                  | 6.8 (g/s)                        | 4,9 (g/s)                                | 4,7 (g/s)                 |
| Exhaust temperature measured in the exhaust flue pipe                                   | 305 °C                           | 258 °C                                   | 228 °C                    |
| Minimum chimney draught for nominal output  | 0.12 mbar                        | 0.12 mbar                                |                           |
| Average CO content of the exhaust gas in relation to 13% of O <sub>2</sub>              | < 1250 mg /Nm <sup>3</sup>       | < 1250 mg/Nm <sup>3</sup>                |                           |
| Dust emission   | < 40 mg / Nm <sup>3</sup>        | < 40 mg / Nm <sup>3</sup>                |                           |
| DIN EN 13240 (European norm)  | RRF - 40 09 2177                 | *  |                           |
| DIBt (German Institute for Structural Engineering) Room air sealed operation            | -                                | -  |                           |
| VKFTA No. (Swiss fire protection certificate)   | ✓                                | -  |                           |
| Art.15a B-VG test report (Austria)  | ✓                                | ✓  |                           |
| DINplus certification   | ✓                                | ✓  |                           |
| Requirements of the 1st and 2nd level of BImSchV  | ✓                                | ✓  |                           |

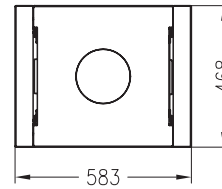
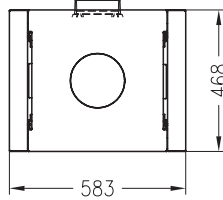
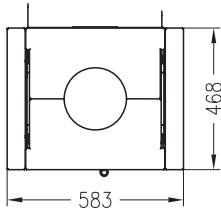
\* Measurements were not available when this went to print



# a6 H<sub>2</sub>O

# a7

# a8



| 22   | 24   | 26   |
|--|--|--|
| 7,9kW  | 5.9 kW   | 5.9 kW   |
| 4,9 kW   | -  | -  |
| 5,5 - 10,3 kW  | 4.5 - 7.7 kW   | 4.5 - 7.7 kW   |
| 2,3 kg   | 1,8 kg   | 1,8 kg   |
| ca. 56 m <sup>3</sup>  | ca. 140 m <sup>3</sup>   | ca. 140 m <sup>3</sup>   |
| > 80 %   | > 80 %   | > 80 %   |
| 1481 / 583 / 468 mm  | 1190 / 583 / 468 mm  | 1190 / 583 / 468 mm  |
| 150 mm   | 150 mm   | 150 mm   |
| 1466 mm  | 1169 mm  | 1165 mm  |
| 234 mm   | 980 mm   | -  |
| 234 mm   | 234 mm   | 234 mm   |
| from the bottom to the back  | 205 mm   | -  |
| 350 mm   | 234 mm   | 234 mm   |
| 340 kg   | ~ 200 kg   | ~ 200 kg   |
| 340 - 430 kg   | ~ 250 - 300 kg   | ~ 250 - 300 kg   |
| -  | -  | -  |
| Nero / Graphite / Terra<br>Pearl / White<br>Soapstone<br>Glass (printed black) | Nero / Graphite / Terra<br>Pearl / White<br>Soapstone<br>Glass (printed black) | Nero / Graphite / Terra<br>Pearl / White<br>Soapstone<br>Glass (printed black) |
| ✓  | ✓  | ✓  |
| -  | -  | -  |
| -  | -  | -  |
| ✓  | ✓  | ✓  |
| -  | ~ 20 / 30 / 35 kg  | ~ 20 / 30 / 35 kg  |
| 53 kg / Side panel   | ~ 80 / 110 / 140 kg  | ~ 80 / 110 / 140 kg  |
| ✓  | -  | -  |
| 7.8 (g/s)  | 5.1 (g/s)  | 5.6 (g/s)  |
| 238 °C   | 318 °C   | 300 °C   |
| 0.12 mbar  | 0.12 mbar  | 0.12 mbar  |
| < 1250 mg/Nm <sup>3</sup>  | < 1250 mg/Nm <sup>3</sup>  | < 1250 mg/Nm <sup>3</sup>  |
| < 40 mg / Nm <sup>3</sup>  | < 40 mg / Nm <sup>3</sup>  | < 40 mg / Nm <sup>3</sup>  |
| RRF - 40 15 3850   | RRF - 40 13 3313   | RRF - 40 13 3312   |
| -  | -  | -  |
| -  | ✓  | ✓  |
| ✓  | ✓  | ✓  |
| ✓  | ✓  | ✓  |
| ✓  | ✓  | ✓  |

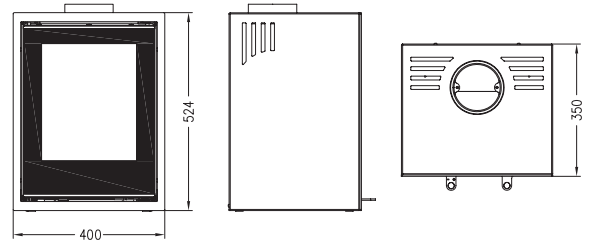
**Notes:**  
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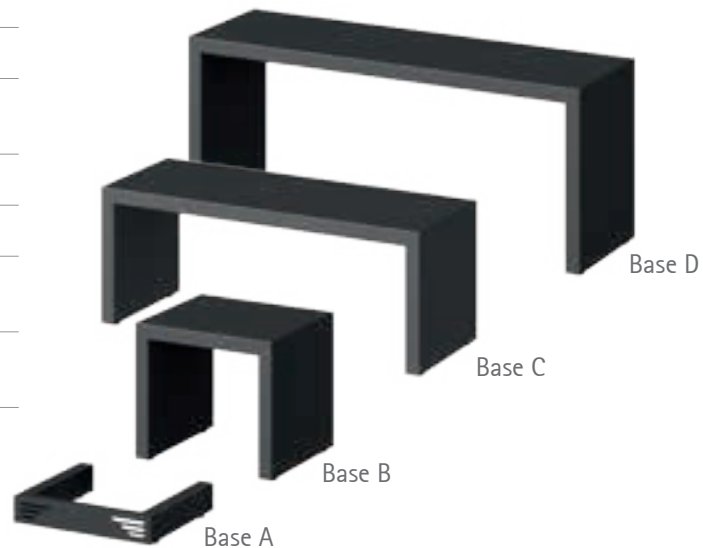


|                           |                          | Export                   |
|---------------------------|--------------------------|--------------------------|
| Combustible               | split logs               | split logs               |
| Nominal heat output       | 4,0 kW                   | 4,6 kW                   |
| Wood feed quantity        | 1,2 kg/h                 | 1,4 kg/h                 |
| Heat output range min/max | 4,0 - 5,2 kW             | 4,0 - 6,0 kW             |
| Efficiency                | > 80 %                   | > 80 %                   |
| Medium CO-level           | < 1250 mg/m <sup>3</sup> | < 1250 mg/m <sup>3</sup> |
| Fine dust issuance        | < 40 mg/m <sup>3</sup>   | < 40 mg/m <sup>3</sup>   |
| Weight                    | from 56 kg               | from 56 kg               |

| Fulfilled requirements                               |         |         |
|--|---------|---------|
| BlmSchV Stages 1 and 2                               | ✓       | ✓       |
| EN 13240 / DIN Plus                                  | ✓ / ✓   | ✓ / ✓   |
| Aachen/Munich/Regensburg Ord.                        | ✓       | ✓       |
| AT §15a B-VG Norm (A)                                | ✓       | ✓       |
| Clean air act from 01.2011 (for Switzerland)         | ✓       | ✓       |
| DEFRA  | ✓       | ✓       |
| Flue gas mass flow                                   | 3,8 g/s | 3,8 g/s |
| Exit flue temperature measured at exhaust branch     | 252 °C  | 252 °C  |
| Minimum of discharge pressure at nominal heat output | 12 Pa   | 12 Pa   |



LINEAR Module XS

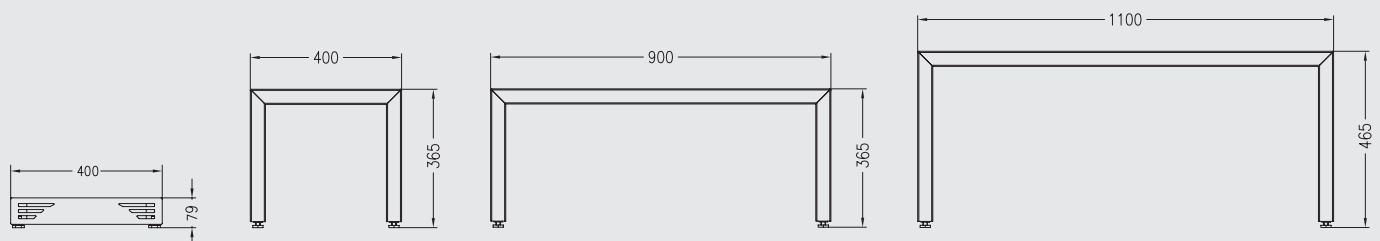


Base A

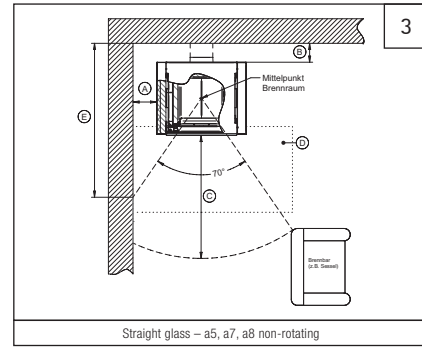
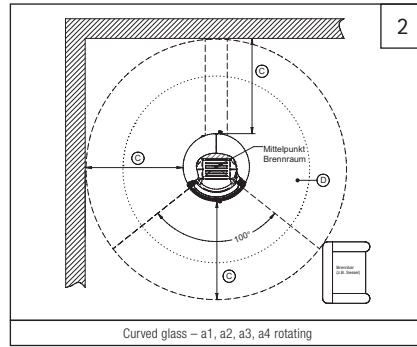
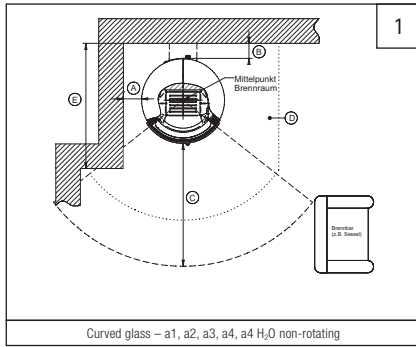
Base B

Base C

Base D



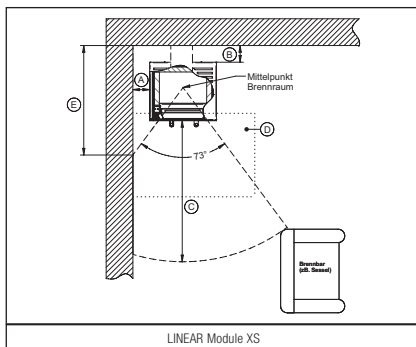
## fire protection – ambiente stove



| Stove                        | Distance from side wall |                       | Distance from rear wall |                       | Distance within radiant area of window(s) |                       | Dimensions of fireproof floor covering |                                 | Distance for area to be protected from radiant heat |
|------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|---|-----------------------|--|---------------------------------|---|
|                              | A (cm)                  |                       | B (cm)                  |                       | C (cm)                                    |                       | D (cm)                                 |                                 |   |
|                              | Combustible             | Protection not needed | Combustible             | Protection not needed | Combustible                               | Protection not needed | Length x width                         | Distance (round floor covering) |   |
| ambiente a1                  | 15                      | 10                    | 10                      | 5                     | 80  | 80                    | 50 x 30                                | 50                              | 66  |
| ambiente a2                  | 15                      | 10                    | 10                      | 5                     | 80  | 80                    | 50 x 30                                | 50                              | 66  |
| ambiente a3                  | 15                      | 10                    | 10                      | 5                     | 80  | 80                    | 50 x 30                                | 50                              | 66  |
| ambiente a4                  | 15                      | 10                    | 10                      | 5                     | 80  | 80                    | 50 x 30                                | 50                              | 66  |
| ambiente a4 H <sub>2</sub> O | 10                      | 10                    | 5                       | 5                     | 80  | 80                    | 50 x 30                                | 50                              | 66  |
| ambiente a5                  | 20                      | 10                    | 28                      | 5                     | 80  | 80                    | 50 x 30                                | 50                              | 66  |
| ambiente a6                  | 15                      | 10                    | 10                      | 5                     | 80  | 80                    | 50 x 30                                | 50                              | 88  |
| ambiente a6 H <sub>2</sub> O | 8                       | 5                     | 9                       | 5                     | 80  | 80                    | 50 x 30                                | 50                              | 88  |
| ambiente a7                  | 15                      | 10                    | 15                      | 5                     | 70  | 70                    | 50 x 30                                | 50                              | 100   |
| ambiente a8                  | 10                      | 10                    | -                       | 5                     | 65  | 65                    | 50 x 30                                | 50                              | 100   |

In the stove installation example shown in Fig. 1, if dimension B is observed and dimension E measured on site is less than the value indicated, then it is not necessary to allow for the radiant area with respect to the side walls. However, if the side wall is longer than dimension E, it must be decided on site whether this wall needs to be protected. The position of the radiant area can be altered if necessary by increasing dimension A or dimension B.

## fire protection – LINEAR Module XS



| Stove            | Distance from side wall |                       | Distance from rear wall |                       | Distance within radiant area of window(s) |                       | Dimensions of fireproof floor covering |                                 | Distance for area to be protected from radiant heat |
|------------------|-------------------------|-----------------------|-------------------------|-----------------------|---|-----------------------|--|---------------------------------|---|
|                  | A (cm)                  |                       | B (cm)                  |                       | C (cm)                                    |                       | D (cm)                                 |                                 |   |
|                  | Combustible             | Protection not needed | Combustible             | Protection not needed | Combustible                               | Protection not needed | Length x width                         | Distance (round floor covering) |   |
| LINEAR Module XS | 10                      | 10                    | 10                      | 5                     | 80  | 80                    | 50 x 30                                | 50                              | 70  |

# ambiente

wood burning stoves



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