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SOHN

## Axon

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**Equipment sheet**  
Fireplace insert

**GB**

# Introduction

**We thank you very much for purchasing our product!**

The description of the heating device will inform you in detail about the design, technical specification and operation of the heating device. We recommend you to acquaint yourselves closely with these data. In this way, you will avoid possible faults during the proper assembly and operation.

**You will find** detailed conditions of installation and operation in General Manual of Operation (included in the scope of the delivery).

## Notes in the text

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Of utmost importance there are the notes entitled **WARNING**. The notes entitled **WARNING** advise you on **serious danger of damage to the heating device or of an injury**.



The note entitled **Notice** advises you on possible damage to your heating device.



The note entitled **Important** calls your attention to the information important for the operation of your heating device.



The note itself calls your attention to the information important for the operation of your heating device in general.

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# 1. Technical data

	Block wood
	Nominal output
Achievable heat output	7 kW
Nominal heat output	6,5 kW
Test conditions defined by norm	EN 16510
Energy efficiency	81,6 %
Average concentration of CO at 13% O <sub>2</sub>	≤ 1500 mg/Nm <sup>3</sup>
Average concentration of dust at 13% O <sub>2</sub>	≤ 40 mg/Nm <sup>3</sup>
Average concentration of NOx at 13% O <sub>2</sub>	≤ 200 mg/Nm <sup>3</sup>
Average concentration of OGC at 13% O <sub>2</sub>	≤ 120 mg/Nm <sup>3</sup>
Amount of combustion products at nominal output	6,7 g/s
Temperature of combustion products in the smoke flue neck	257 °C
Minimum draft of the chimney at nominal heat output	11 Pa

## 1.1. Suitable fuel, stoking amount of fuel

Fuel:	Max. stoking amount of fuel
Block wood:	2 logs (max. 2 kg)
Length of wood logs:	Max. 50 cm

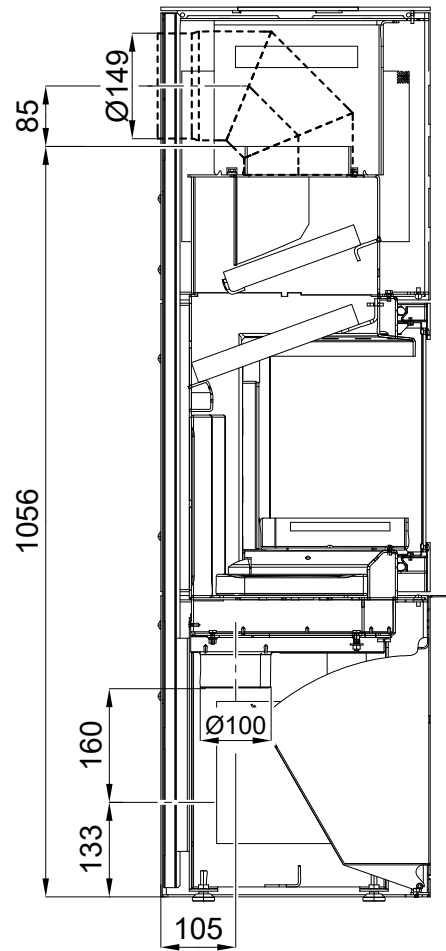
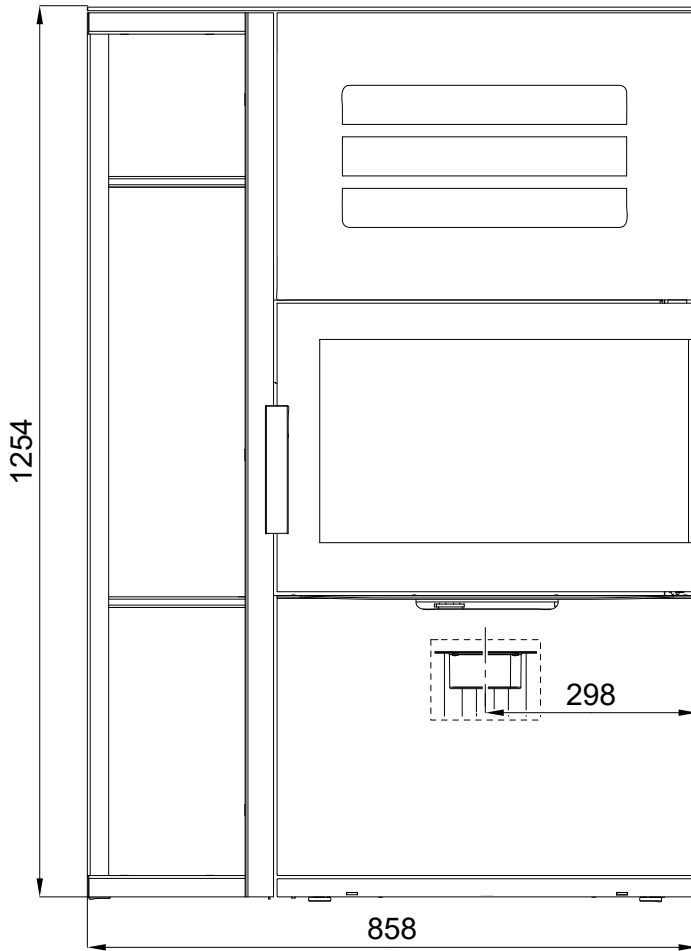


Note

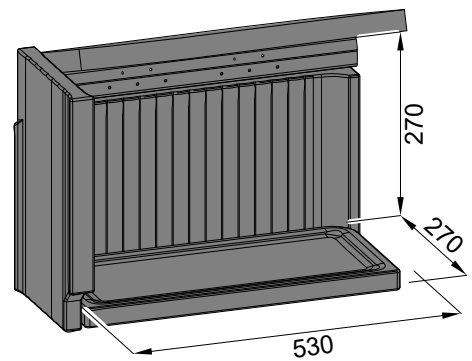
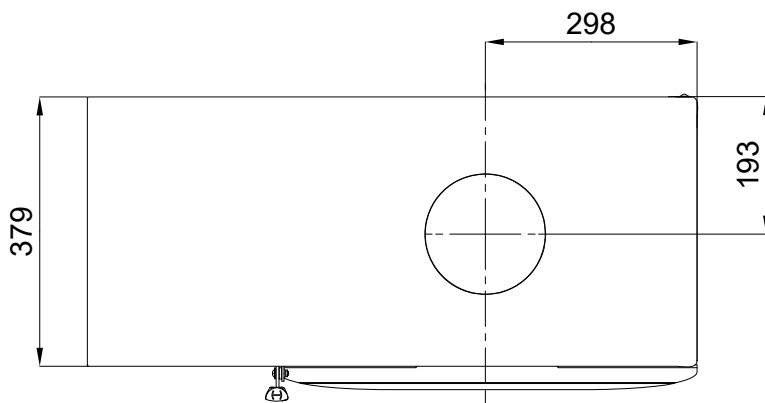
When heating with wood stock, employ solely the types of wood which have been stored for two years and their residual humidity is at most 17 %.

## 2. Dimensioned diagram

Dimensioned diagram



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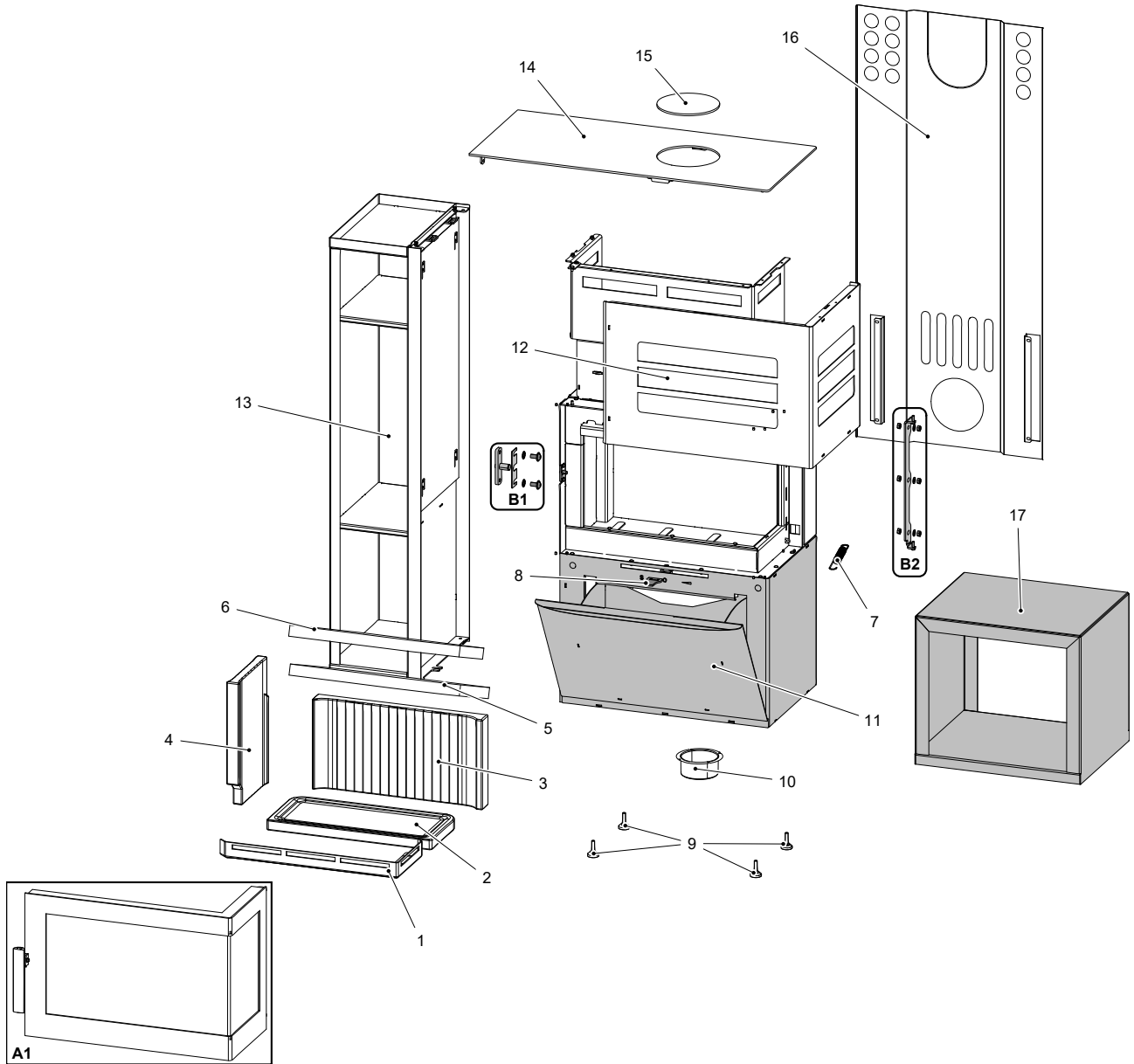


Note

The flue gas elbow is not included in the delivery, item no. 0332015007065. If using the flue gas elbow, remove the cover on the rear panel.

# 3. List of spare parts

## 3.1. Whole emplacement



List of spare parts

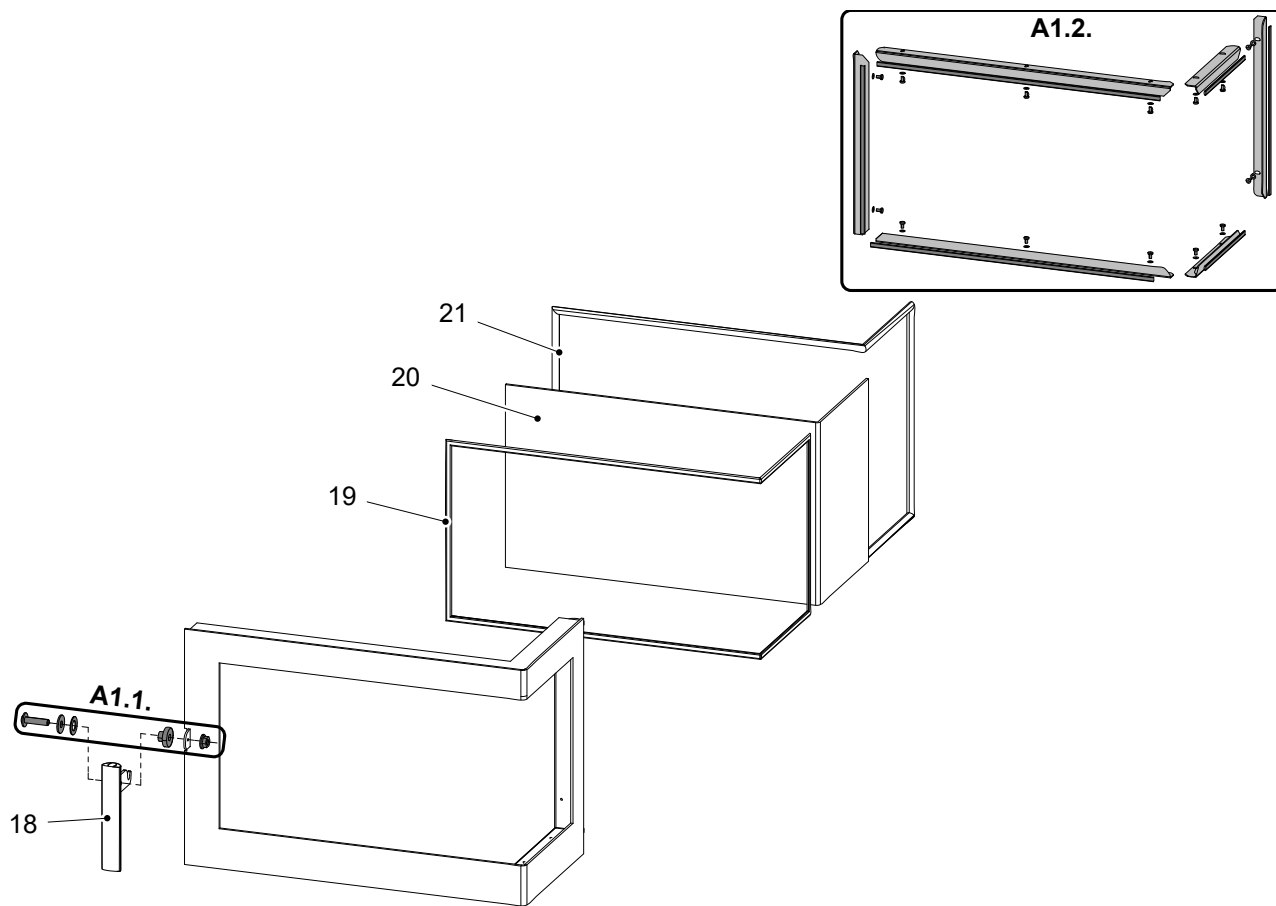
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Item	Name	Quantity	Number of goods
<b>Whole emplacement</b>			
<b>A1</b>	Fire-box door (complete)	1 piece	0633015005300
<b>B1</b>	Door lock (complete)	1 piece	0633015005030
<b>B2</b>	Fire-box door suspension (complete)	1 piece	0633015005060
<b>1</b>	Protection	1 piece	0633015005040
<b>2</b>	Brick 30x213x473	1 piece	0633015005506

3	Brick rear 30x257x487	1 piece	0633015005507
4	Brick side 36,4x231x360	1 piece	0633015005508
5	Screen lower (30x240x488)	1 piece	0633015005501
6	Screen upper (30x195x488)	1 piece	0633015005503
7	Door spring	1 piece	0428612005002
8	Control handle	1 piece	0433120005002
9	Stand	4 piece	0089000020005
10	External air input (Ø100)	1 piece	0088500050008
11	Base	1 piece	0433120005200
12	Front panel	1 piece	0433120005300
13	Wood storage	1 piece	0433120005120
14	Upper cover	1 piece	0433120005510
15	Upper blind flange	1 piece	0424617406004
16	Rear panel	1 piece	0433120005001
17	Stool (accessories)	1 piece	0433120001135



### 3.2. Detail A1



Item	Name	Quantity	Number of goods
<b>Detail A1</b>			
<b>A1.1.</b>	Handle connecting material – set	1 piece	0633015005310
<b>A1.2.</b>	Glass holder – set	1 piece	0633015005320
<b>18</b>	Handle	1 piece	0420114015301
<b>19</b>	Glass sealing cord 10x4 mm	2060 mm	0040210040005
<b>20</b>	Refractory glass (4x538/230x318)	1 piece	0633015005330
<b>21</b>	Door sealing cord 12 mm	2300 mm	0041012120005

# 4. Easy control

Control of all three air inputs - primary, secondary, tertiary - by means of one sole controller.

1. The controller is in the position intended for ignition (fig. A). All three air inputs are open (primary, secondary, tertiary).
2. The controller is in the position intended for burning of the stove after ignition (fig. B).
3. The controller is in the position designed to close air inputs (Fig. C). No input is open (primary, secondary, tertiary). This position is used only when the stove is out of operation, after finishing the heating process.



## WARNING

Air inputs may not be closed during the heating operation (Fig. C)! In an extreme case, there can occur an explosion in the stove followed by breaking of glass, blowing up of cinders across the room and breaking out of the fire.

