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SOHN

## Hestra C

**Equipment sheet**  
Fireplace stove

**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.

# Contents

<b>1. Technical data</b> .....	1
1.1. Suitable fuel, stoking amount of fuel .....	1
<b>2. Technical description</b> .....	2
<b>3. Easy control</b> .....	3
<b>4. Overview of spare parts</b> .....	4
4.1. Whole Detail .....	4
4.2. Detail A1 .....	6
4.3. Detail A2, A3, A4, A5 .....	7



# 1. Technical data

	Block wood	
Achievable heat output	6,5 kW	
Nominal heat output	6 kW	
Energy efficiency	80 %	
Average concentration of CO at 13% O <sub>2</sub>	625 mg/Nm <sup>3</sup>	412 mg/MJ
Average concentration of dust at 13% O <sub>2</sub>	19 mg/Nm <sup>3</sup>	12 mg/MJ
Average concentration of NOx at 13% O <sub>2</sub>	95 mg/Nm <sup>3</sup>	60 mg/MJ
Amount of combustion products at nominal output	5,6 g/s	
Temperature of combustion products in the smoke flue neck	330 °C	
Minimum draft of the chimney at nominal heat output	12 Pa	

## 1.1. Suitable fuel, stoking amount of fuel

Fuel:	Max. stoking amount of fuel
Block wood:	2 - 3 logs (max. 2 kg)
Length of wood logs:	Max. 33 cm
Saw-dust briquettes (DIN51731):	—
Lignite briquette:	—



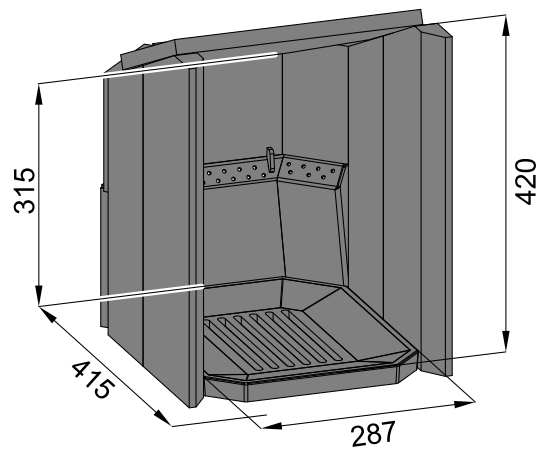
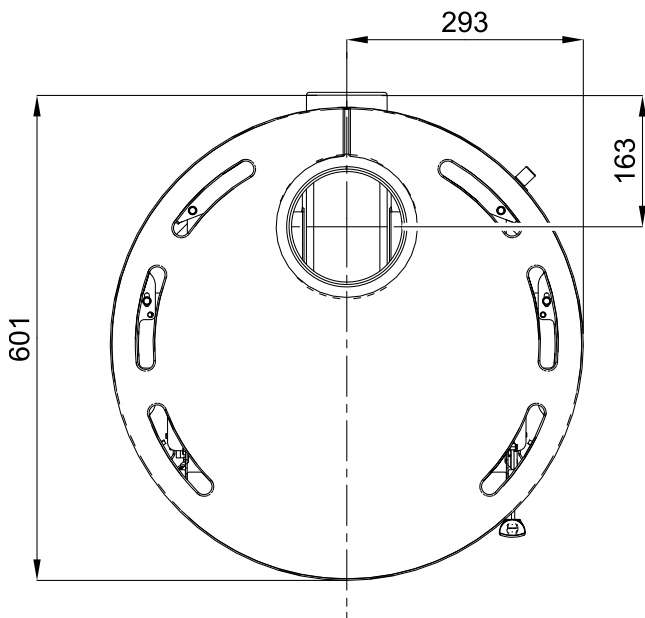
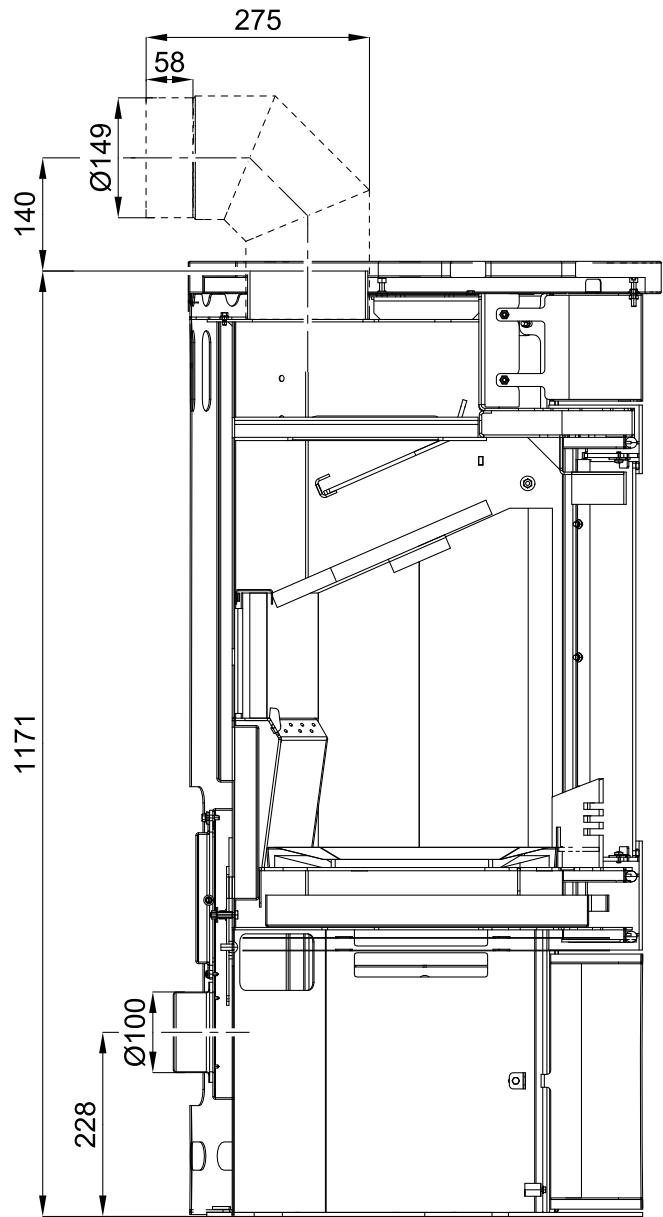
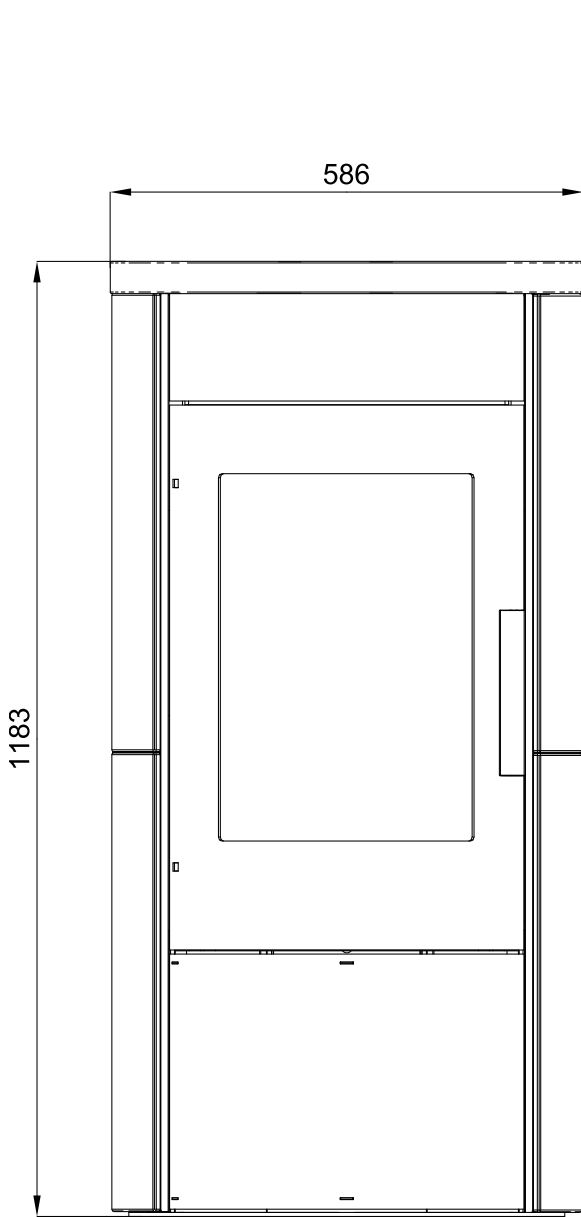
### Note

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

# 2. Technical description

Technical description

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# 3. Easy control

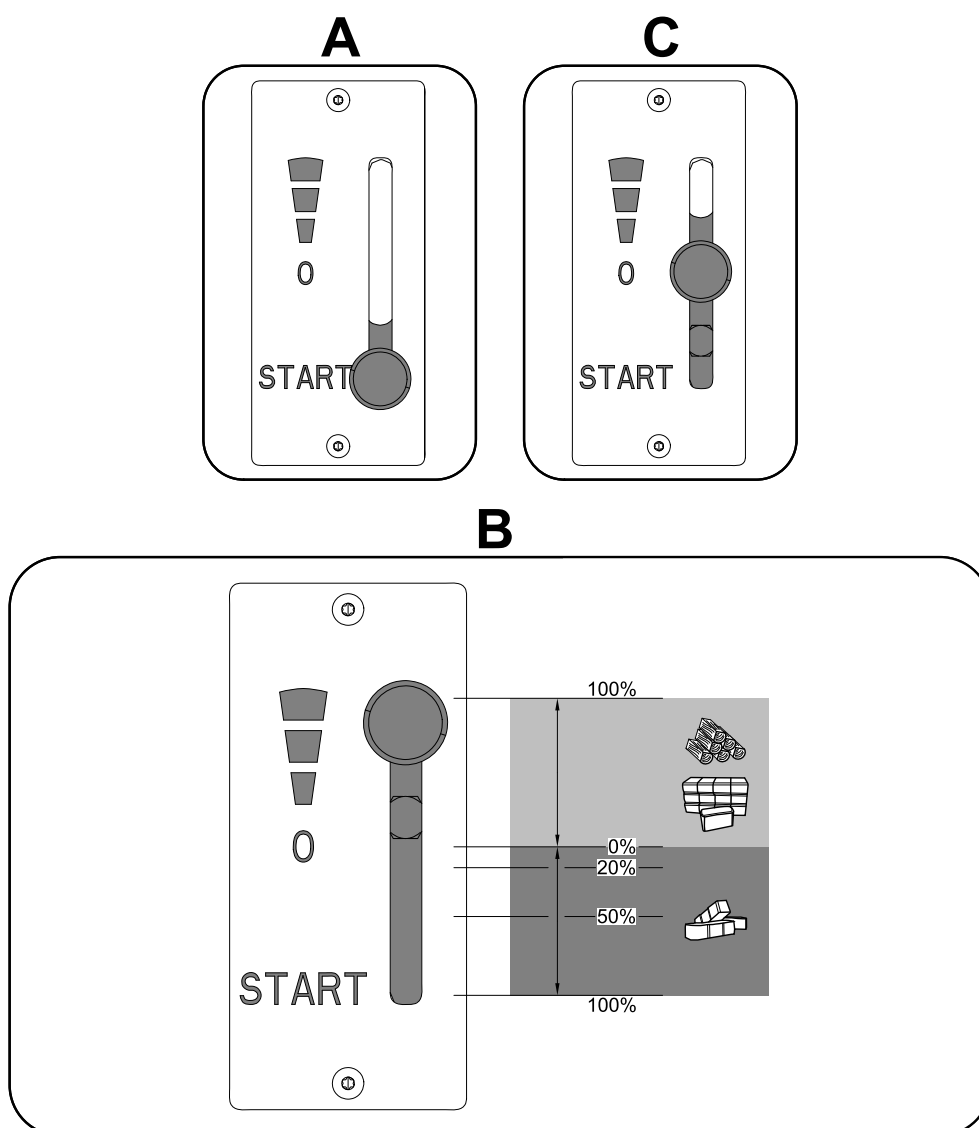
Control of all three air inputs - primary, secondary, tertiary - by means of one sole controller.

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

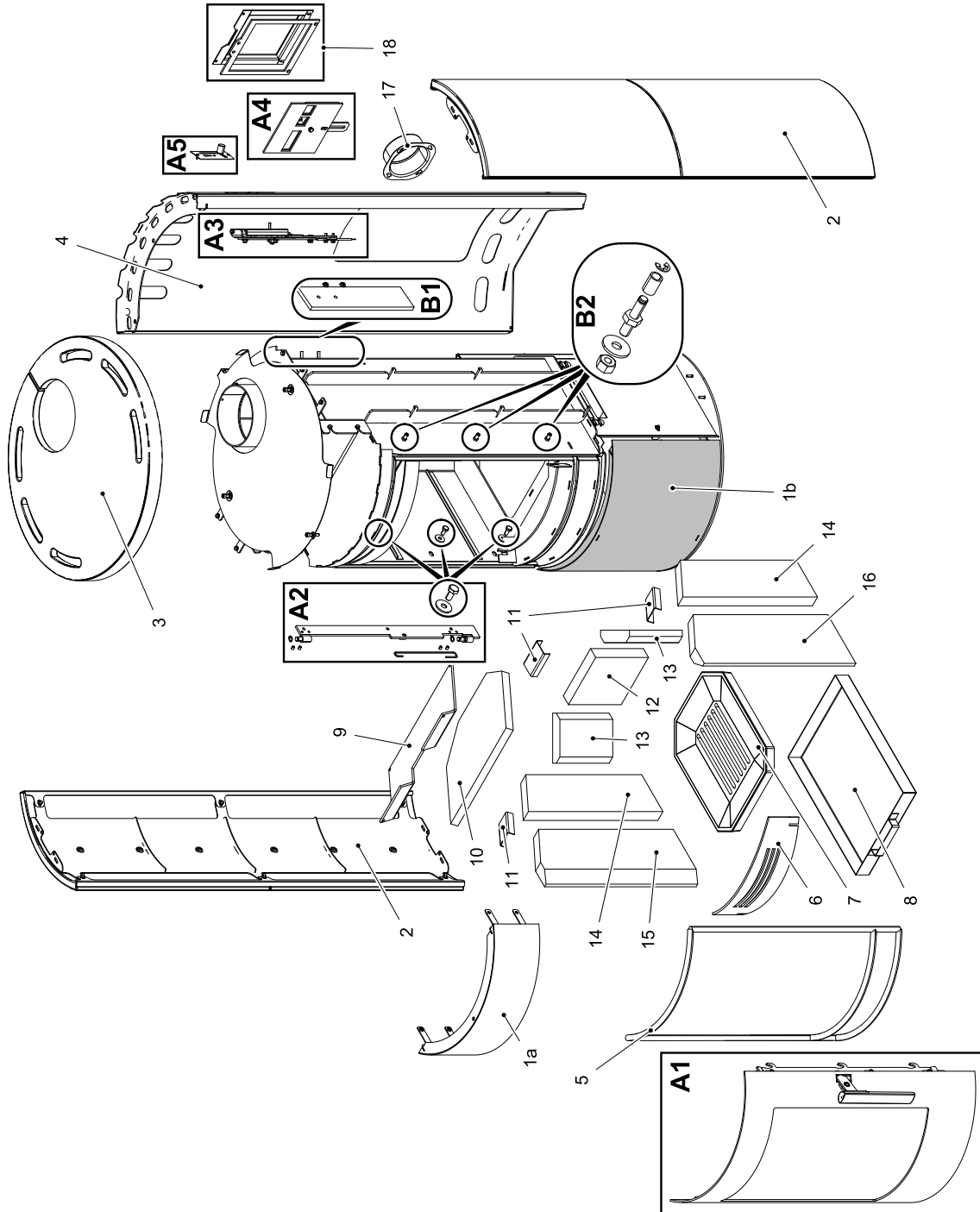
Air inputs may not be closed during the heating operation (Fig. C)! In an extreme case, there can occur an explosion in the stove followed by breaking of glass, blowing up of cinders across the room and breaking out of the fire.



# 4. Overview of spare parts

## 4.1. Whole Detail

Overview of spare parts

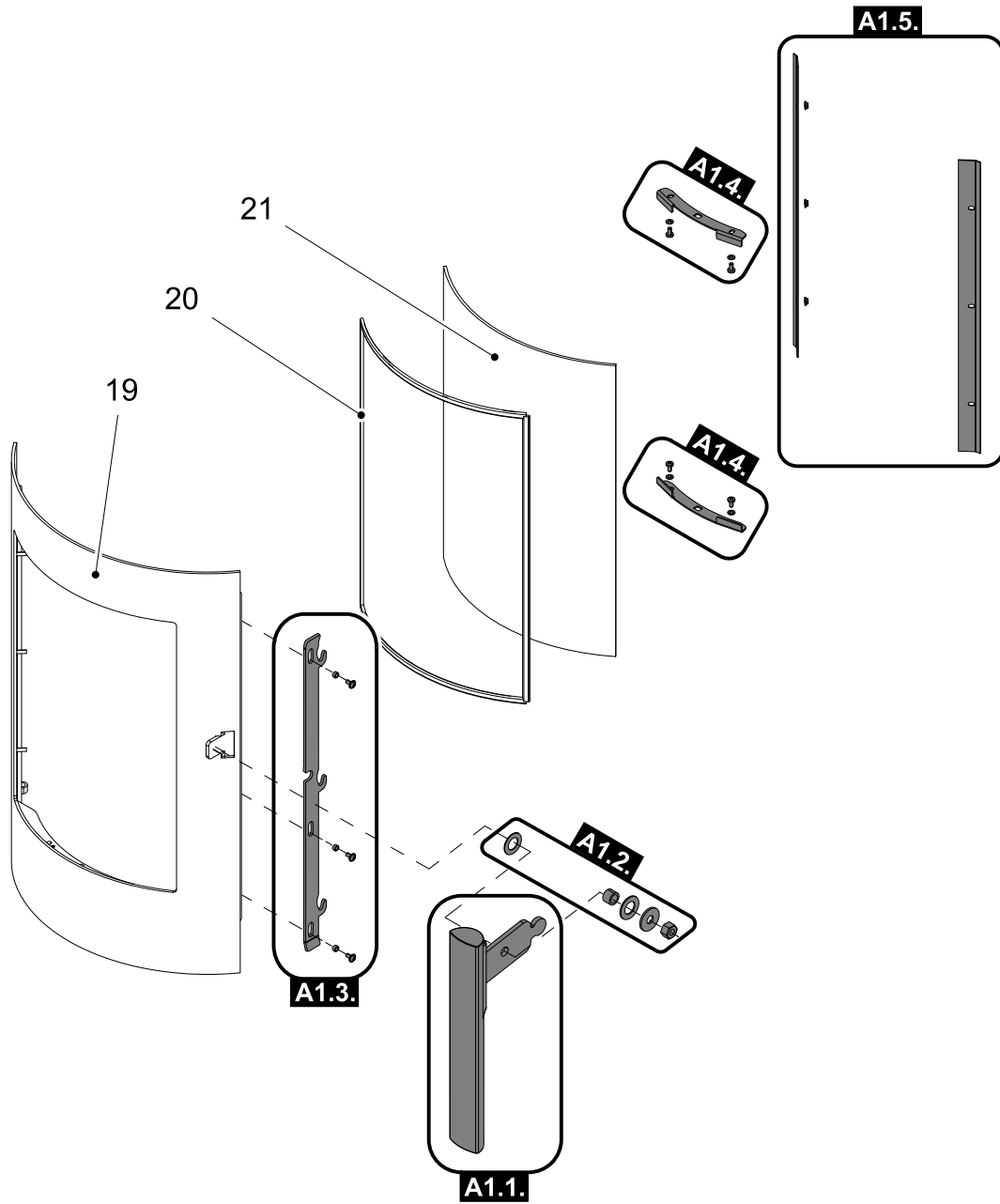


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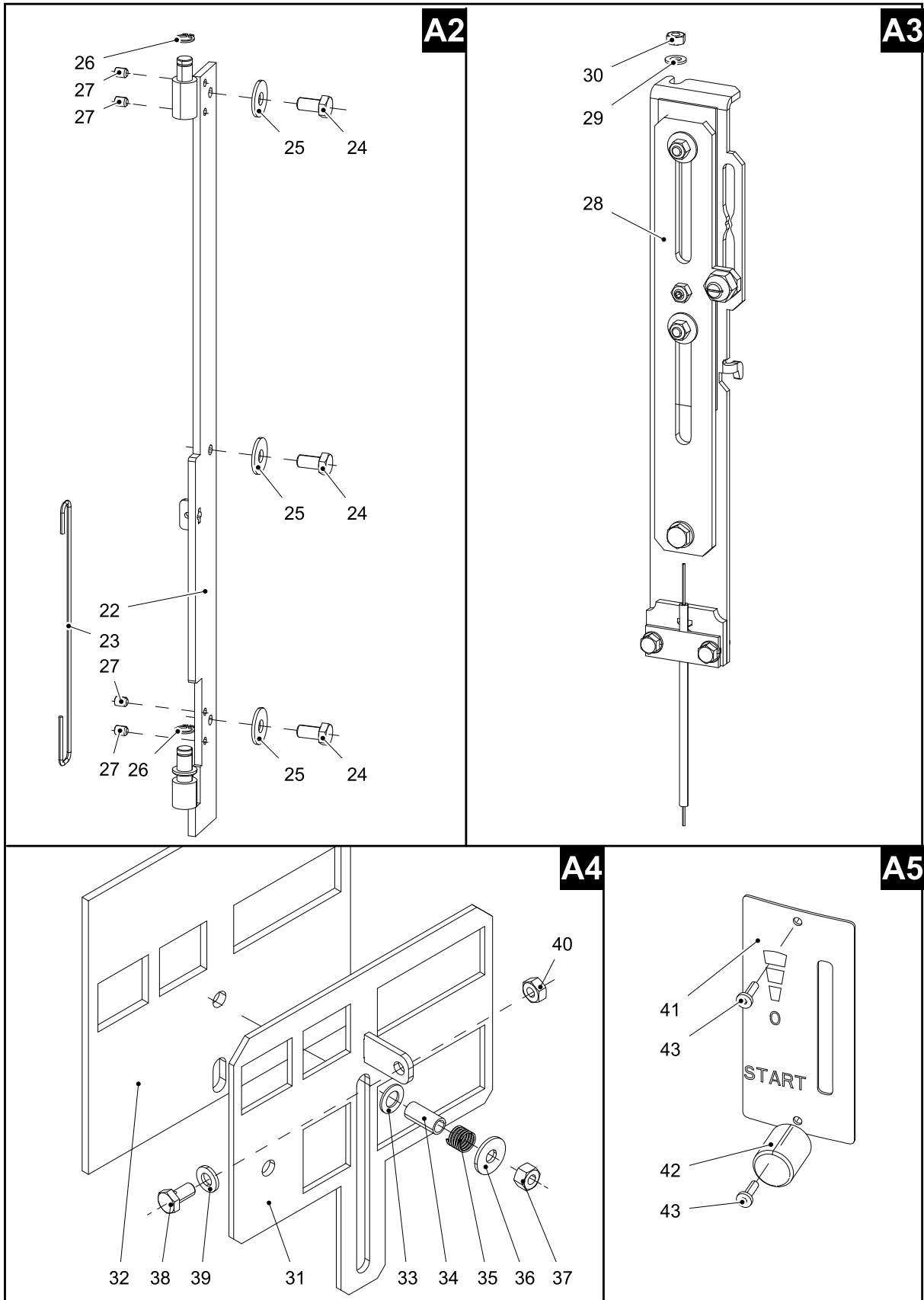
Item	Name	pcs	Spare part number
<b>Whole Detail</b>			
<b>A1</b>	Fire-box door (complete)/anthracite	1 pcs	0420915175300
<b>A2</b>	Fire-box door suspension (complete)/anthracite	1 pcs	0420915006405
<b>A3</b>	Controller (complete)/Easycontrol	1 pcs	0420915175009
<b>A4</b>	Sliding valve (complete)	1 pcs	0420915006080
<b>A5</b>	Description (complete)	1 pcs	0429617006090
<b>B1</b>	Return metal sheet (complete)	1 pcs	0420915006072
<b>B2</b>	Pin+wheel (complete)	3 pcs	0420915005001
<b>1a</b>	Upper screen/anthracite	1 pcs	0420915175019
<b>1b</b>	Lower door/anthracite	1 pcs	0420915175034
<b>2</b>	Lateral side C/white	2 pcs	0420915175101
<b>3</b>	Covering board C/white	1 pcs	0420915175104
<b>4</b>	Rear cover/anthracite	1 pcs	0420915175003
<b>5</b>	Sealing of the door 14 mm (2420 mm)	1 pcs	0040014140005
<b>6</b>	Pile grating	1 pcs	0420615005507
<b>7</b>	Seating of the grate	1 pcs	0020100075002
<b>8</b>	Ashpan	1 pcs	0420615005600
<b>9</b>	Upper return draft board	1 pcs	0420615007701
<b>10</b>	Lower return draft board	1 pcs	0050500320005
<b>11</b>	Stone holder/anthracite	3 pcs	0420015105001
<b>12</b>	Vermiculite 30x160x155	1 pcs	0420615005501
<b>13</b>	Vermiculite 30x120x155	2 pcs	0420615005502
<b>14</b>	Vermiculite 30x125x395	2 pcs	0420615005503
<b>15</b>	Vermiculite 30x165x445	1 pcs	0420615005504
<b>16</b>	Vermiculite 30x165x445	1 pcs	0420615005505
<b>17</b>	External air input connection	1 pcs	0088500050006
<b>18</b>	Sliding valve cap + sealing	1 pcs	0420915175015

## 4.2. Detail A1



Item	Name	pcs	Spare part number
<b>Detail A1</b>			
<b>A1.1.</b>	Hand pull with hand pull attachment	1 pcs	0420915175302
<b>A1.2.</b>	Set of door screw coupling	1 pcs	0420915175305
<b>A1.3.</b>	Set of rail for door closing	1 pcs	0420915175304
<b>A1.4.</b>	Set of glass holders	2 pcs	0420615008306
<b>A1.5.</b>	Set of glass holders	1 pcs	0420915175301
<b>19</b>	Fire-box door (weldment)/anthracite	1 pcs	—
<b>20</b>	Glass sealing 25x3 mm (1650 mm)	1 pcs	0040225030005
<b>21</b>	Door glass (4xR269x361.6x490)	1 pcs	0420615005304

### 4.3. Detail A2, A3, A4, A5



Item	Name	pcs
<b>Detail A2</b>		
22	Door suspension	1 pcs
23	Fire-box door spring	1 pcs
24	Screw M8x16 DIN 933	3 pcs
25	Annex 8.4 DIN 9021A	3 pcs
26	Locking washer 10 DIN 471	2 pcs
27	Locking screw M6x8 DIN 913	4 pcs
<b>Detail A3</b>		
28	Controller/Easycontrol	1 pcs
29	Annex 5.3 DIN 125	1 pcs
30	Nut M5 DIN 934	1 pcs
<b>Detail A4</b>		
31	Sliding valve	1 pcs
32	Sliding valve sealing	1 pcs
33	Annex 8 DIN 988	1 pcs
34	Controller bushing	1 pcs
35	Spring bushing	1 pcs
36	Annex 6.4 DIN 9021A	1 pcs
37	Nut M6 DIN 980V	1 pcs
38	Screw M6x12 with hole DIN 933	1 pcs
39	Annex 6.4 DIN 125	1 pcs
40	Nut M6 DIN 934	1 pcs
<b>Detail A5</b>		
41	Description	1 pcs
42	Controller button	1 pcs
43	Screw M3x10 BN 9524	2 pcs