



HAAS+SOHN

HSP 8 Home-II 445.08

Geräteblatt Pelletofen	DE
Fiche technique Poêle à pellets	FR
Scheda tecnica Stufe pellet	IT
Equipment sheet Pellet stove	GB
Tehnički list Kotel na pelete	HR
Tehnični list Kotel na pelete	SLO

Notes in the text



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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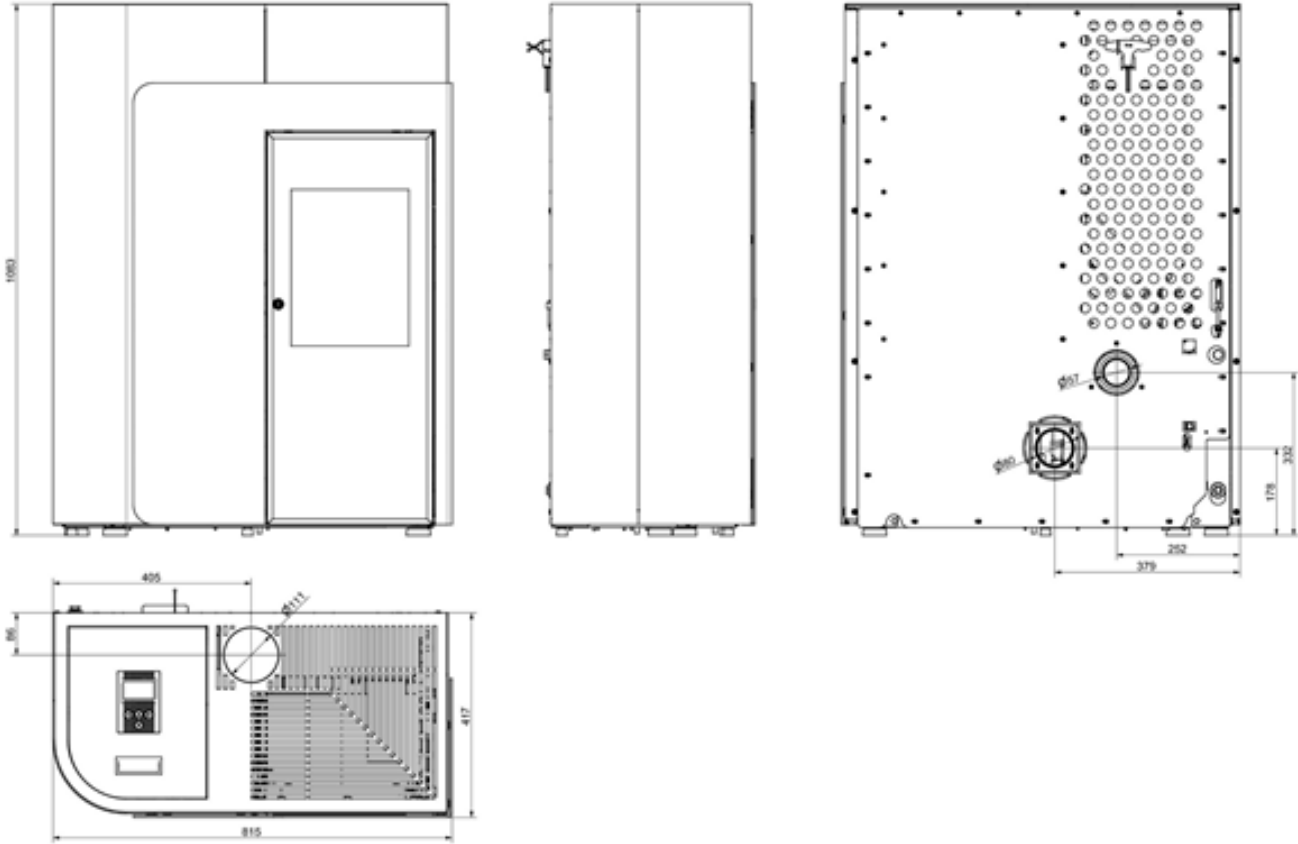
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1. Technical data

	HSP 8 Home-II 445.08
Heat output range:	2,5 – 8,5 kW
Nominal heat output:	8,0 kW
Height:	1082 mm
Width:	813,5 mm
Depth:	417 mm
Weight:	123 kg
Diameter of flue elbow:	80 mm
Flue gas temperature:	201°C
Test-nominal supply pressure:	11 Pa
Test-minimum supply pressure:	6 Pa
Flue gas flow rate in g/s	5,8 g/s
CO level in flue gas (%) (min./max.)	0,004/0,026 %
Efficiency:	90 / 97 %
CO level in flue gas:	50 mg/Nm ³
NOx level in flue gas:	144/- mg/Nm ³
OGC level in flue gas:	<5 mg/Nm ³
Proportion of dust in flue gas:	24/- mg/Nm ³
Contents of storage container (pellet tank):	ca.32 kg
Duration of burn with one charge (min./max.):	ca. 20 h / 60 h
Permitted fuel: Low-dust wood pellets	Durchmesser: 6 mm
to Ö-Norm M 7135, DIN plus, EN plus-A1	Länge: max. 30 mm
Room heating capacity to Ö-Norm M 7521:	max. 230 m ³
Room heating capacity to DIN 18893, Dauerheizung:	250m ³ /145m ³ /98m ³
Room heating capacity to DIN 18893, Zeitheizung:	165m ³ /95m ³ /65m ³
Electricity supply:	230 V (50 Hz)
Electricity supply input (min./max.)	30 bis 50 W
in normal operation:	
Electric ignition (for max. 15 minutes on ignition):	400 W
Electronics fuses: (F3)	T 0,315 A, 250 V
Fuses for the ignition, screw conveyor motor, induced draught, (F1,) (F2 reserve)	T 3,12 A, 250 V

2. Dimensions

Dimensions



3. Cleaning work



WARNING

Before starting any cleaning work, the stove must be cool down and set to "Off"! Once the cleaning work is completed, the correct operating status of the device must be re-established: Put the combustion pot in correctly, close the combustion chamber door.

3.1. Cleaning the surface

Dirt on the upper surface of the stove may be cleaned off with a damp cloth or if necessary with mild soapy water. You are advised against using corrosive cleaning agents and solvents since these might damage the surfaces.

3.2. Cleaning the glass panel

To clean the viewing panel, you must first open the stove door. Dirt on the glass panel can be removed with a glass cleaner or with a damp sponge on which you have sprinkled some of the wood ash present. (Environmentally friendly). Cleaning the glass panel may only be done with a cooled down stove in the OFF operating mode.

3.3. Clean combustion chamber “function instruction” error F040

- The entire combustion chamber is to be cleaned with an ash vacuum cleaner at intervals of no longer than **30 operating hours**.
- However, this instruction to clean the combustion chamber (display flashing) does not trigger an error message during Heating mode.
- If the combustion chamber is now cleaned, then the “Clean combustion chamber” error message will thereafter be cleared automatically. A precondition for the automatic clearance of this error message is that the combustion chamber door is open for longer than 60 seconds. This time is required for cleaning the combustion chamber including the burner thoroughly with an ash vacuum cleaner. If the door is open longer than 60 seconds in “Off” operating status, then the operating hours counter, which is responsible for the “Clean combustion chamber” instruction, is automatically reset to zero.
- This reset of the operating hours counter occurs even if the cleaning of the combustion chamber is performed before the 30 operating hours have run provided that the stove is in “Off” operating status and the door is open for longer than 60 seconds during cleaning.

3.4. Cleaning the combustion pot -weekly

During operation, deposits may form in the combustion pot. How quickly the combustion pot becomes dirty depends solely on fuel quality. The deposits or encrustations must be removed from time to time.



WARNING

If this is not done, the clinker will continue to accumulate. Then the device will no longer be able to ignite properly. Pellets can pile up in the combustion pot. In extreme cases, this can reach all the way back to the pellet chute. Backfire in the pellet container and smouldering in the pellet tank might possibly result.

This will destroy your device and is not covered in your guarantee.



WARNING

Cleaning the combustion pot may only be done with a cooled down stove in “OFF” operating mode. Otherwise there is a risk of burns!

- Take out the burner bowl from the stove.
- Remove the remains of ashes and slag.
- After the cleaning, mount the burner bowl back to its proper position on the burner rest.
- Re-check the proper seating of the burner bowl, in order to avoid any lack of tightness.

4. Maintenance work



WARNING

During the maintenance tasks, the mains plug must be pulled out of the power supply socket (always in advance)!

The frequency of maintenance in turn depends to a large extent on the pellet quality (ash content). Quality pellets have a low ash content of about 0.2-0.3%. However, if the ash content is higher (0.5% and over), the interval from maintenance to maintenance is reduced and the accumulation of ash increases by 2 or 3 times.



WARNING

Devices that are not maintained in accordance with our specifications must not be operated. Failure to observe this point will invalidate all guarantee claims.

4.1. Cleaning the flue gas passes - annual maintenance



CAUTION

Check and clean the flue-gas ways, exhaust (flue-gas) fan and flue-gas ducts at the latest after 1000 kg of pellets have been consumed. Clean with a brush or an ash extractor. Please perform the cleaning in two steps:

To clean the flue gas passes, proceed as follows:

- Disconnect the flue baffle (1) from the guide by lifting it. Draw the right cladding (2) down out of the guide and place it down in the ash space. Then the flue baffle can be removed and the upper part of the combustion chamber can be cleaned. (See Figure 1).
- Then remove the right side wall. This is fixed with screws (1) at the back and at the front with 3 connectors. Remove the screws from the back and pull the side wall off sideways. (See Figure 1a, 1b, 2).

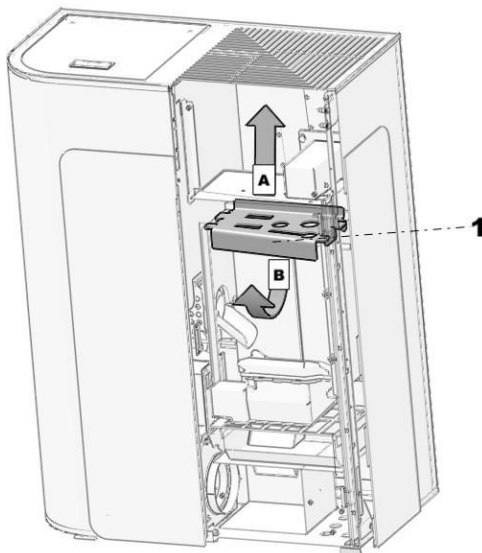
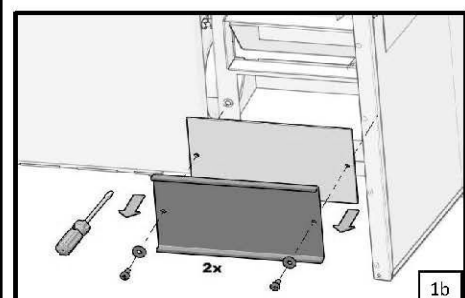
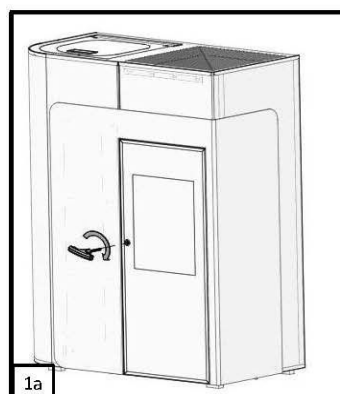
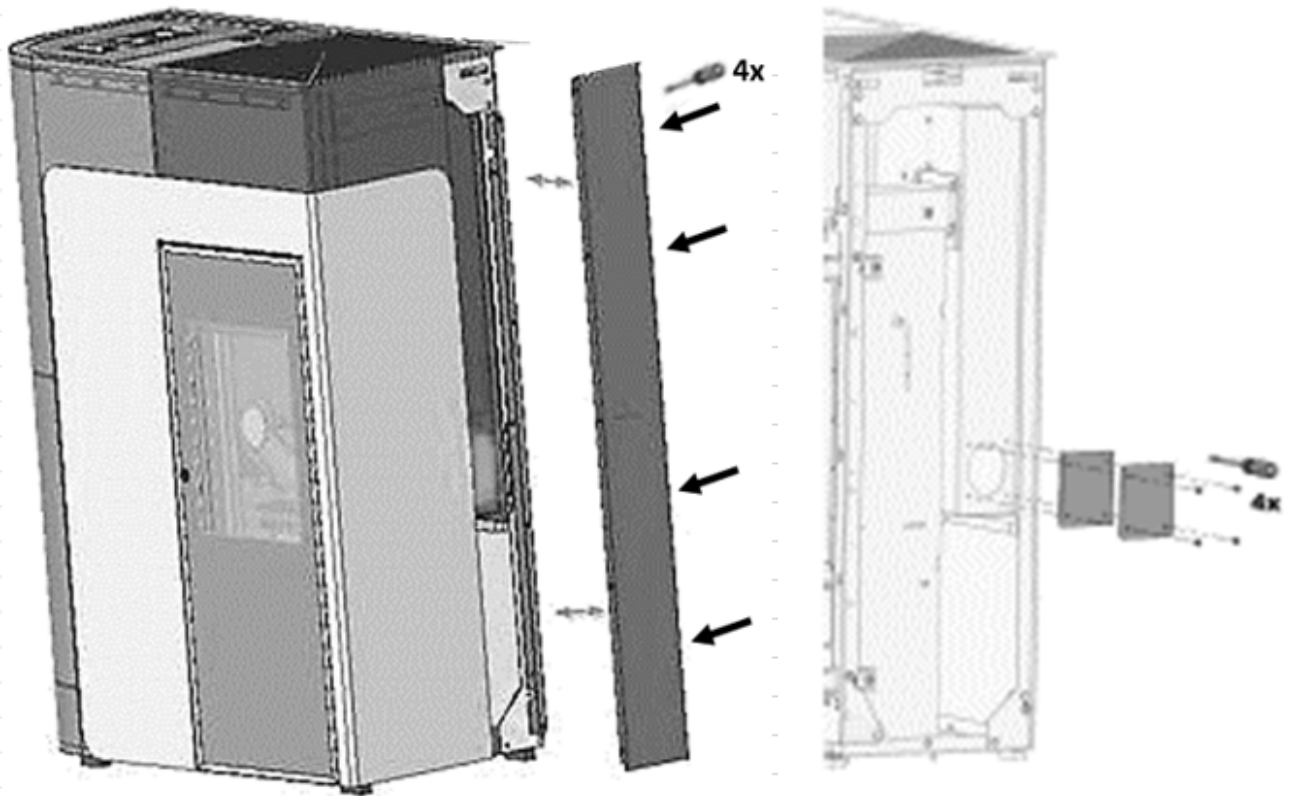


Figure 1: Removing the flue baffle





2.

Figure 1a-2: Cleaning Cover removing

The following tools are required to disassemble:

- Cross head screwdriver
(4x screw M5x16 and 4x screw 4,2x13 were removed.)



CAUTION

After completion of the cleaning make sure that when putting back the covers, the seals are seated in the right positions. It is essential to replace defective seals.

4.2. Cleaning the pellet container - annual maintenance

- Heat the pellet stove until the storage tank is completely empty.
- Then the protective grille (1) in the pellet tank may be removed.
- Then clean the tank and the intake of the screw conveyor housing with a vacuum cleaner.
- After cleaning, it is essential to put back the protective grille. When doing this, make sure that no screws fall into the pellet tank so as to avoid consequential damage to the screw conveyor.

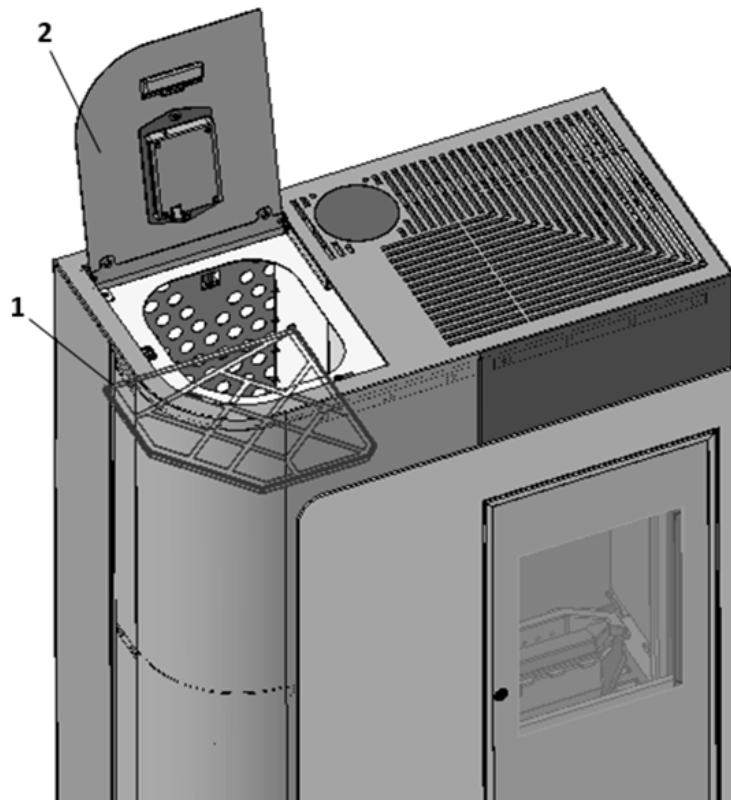
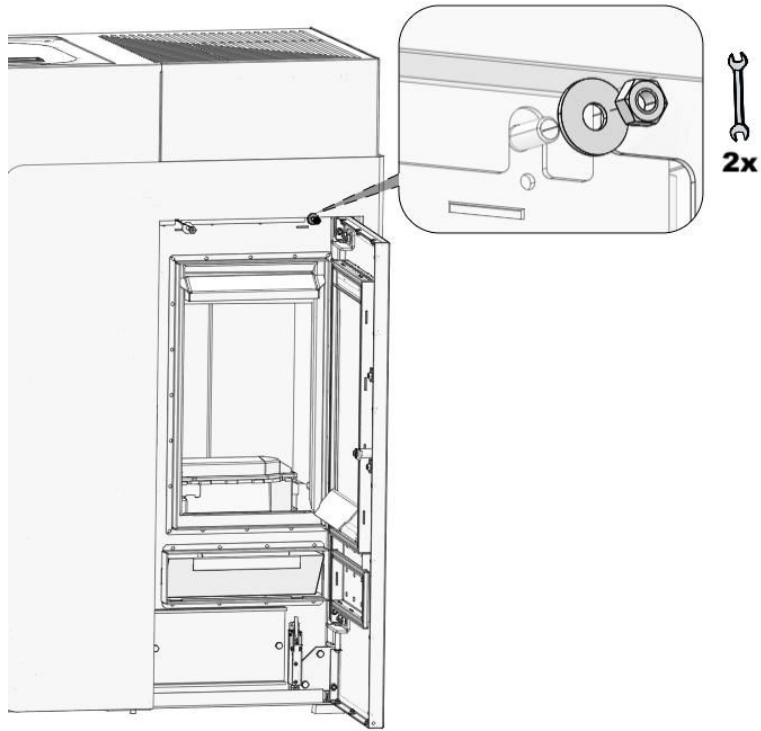


Figure 7: Pellet tank

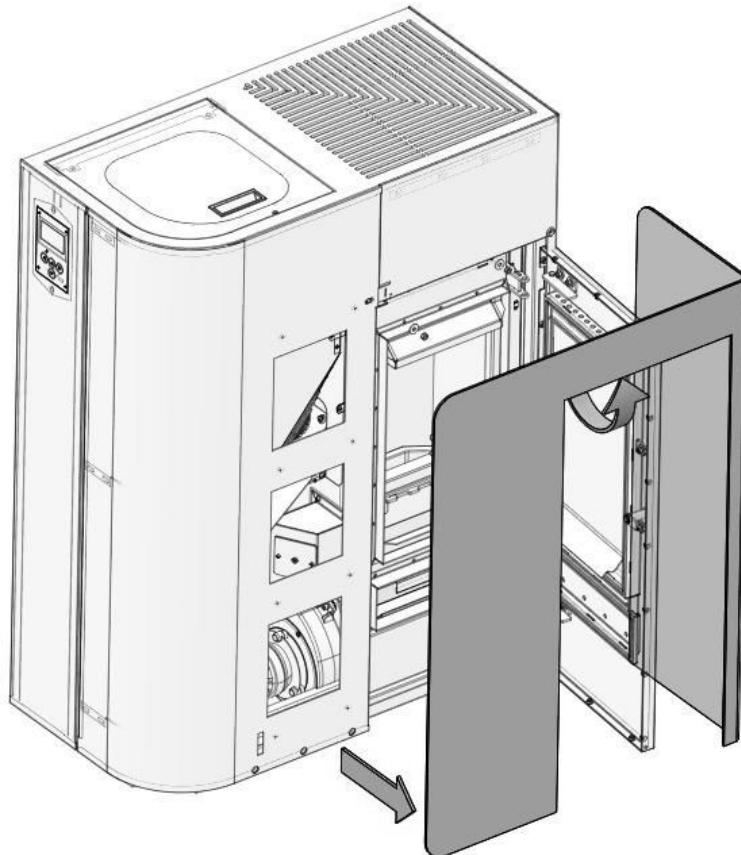
- 1 Protective grille
- 2 Tank cover

4.3. The left side of the device to the unit during dismantling of the enclosure access

Maintenance work

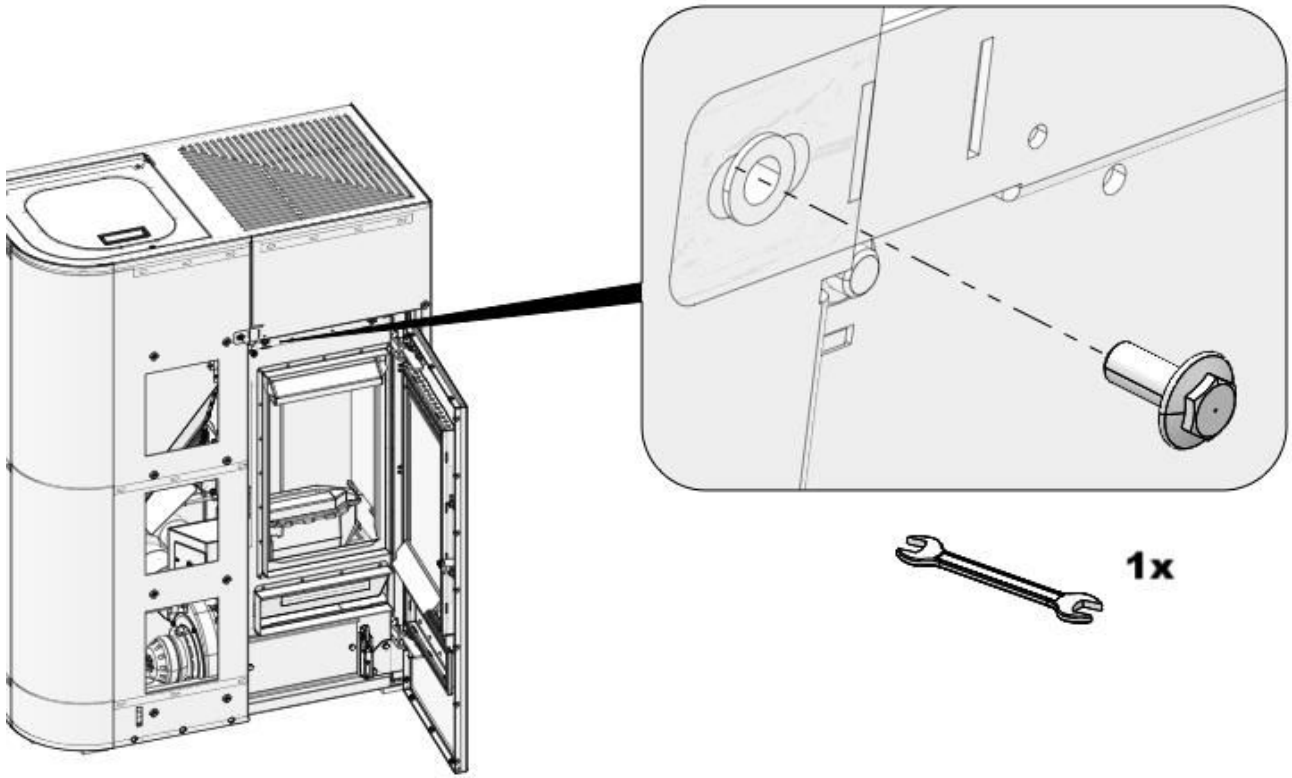


4.3 a

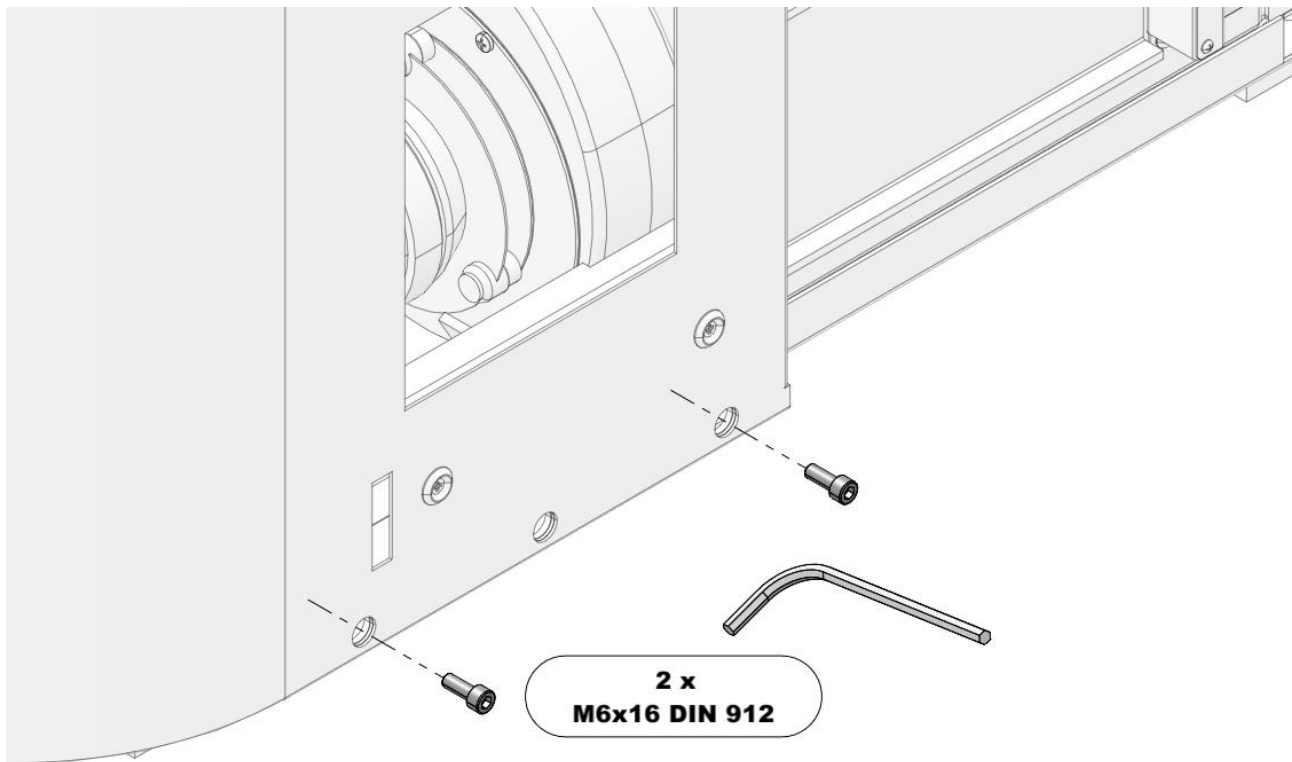


4.3 b

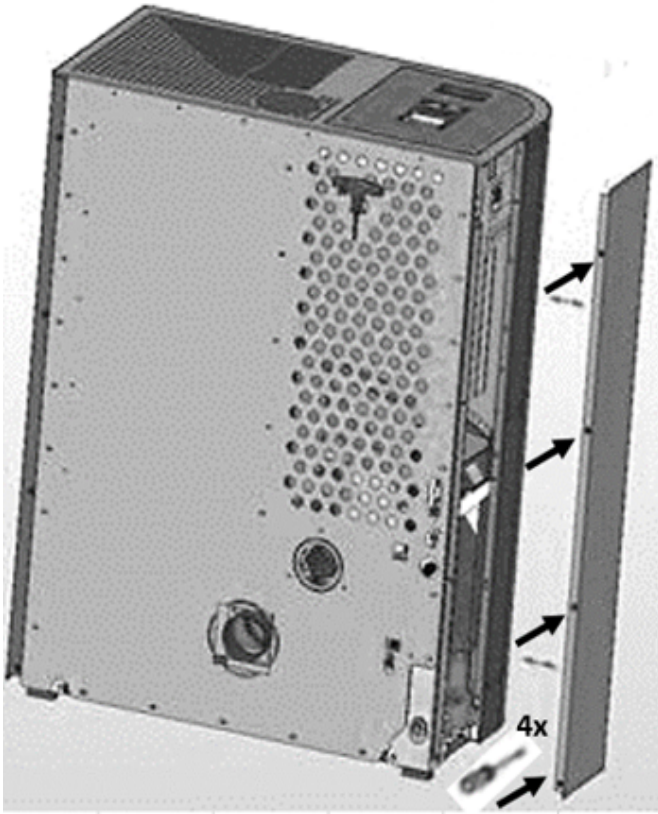
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4.3 c



4.3 d



4.3. e

The following tools are required to disassemble:

- Cross head screwdriver
(4x screw M5x16 were removed.)

4.3.1. Cleaning the vent fan



CAUTION

Blowers house after dismantling the chimney cleaned from the back side..

If buildup occurs, - to proceed and audible noise from the fan housing, as follows:

- This housing is made accessible for cleaning by undoing the 4 nuts shown in Figure 9. (See arrows).
- Remove the induced draught motor by pulling it out.
- Now clean the flue gas passes, the induced draught fan and the flue tubes with a brush and an ash vacuum cleaner.
- Then reassemble the components in reverse order.



CAUTION

Make sure that the seal is seated in the right position again. It is essential to replace defective seals.

- Make sure of the electrical connections on the fan motor and their correct positions.

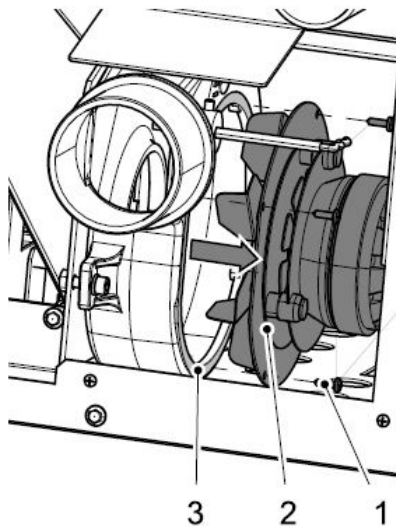


Figure 9: Induced draught fan

- 1 Screw
- 2 Blower motor
- 3 Seal

4.3.2. Cleaning annual Chimneys

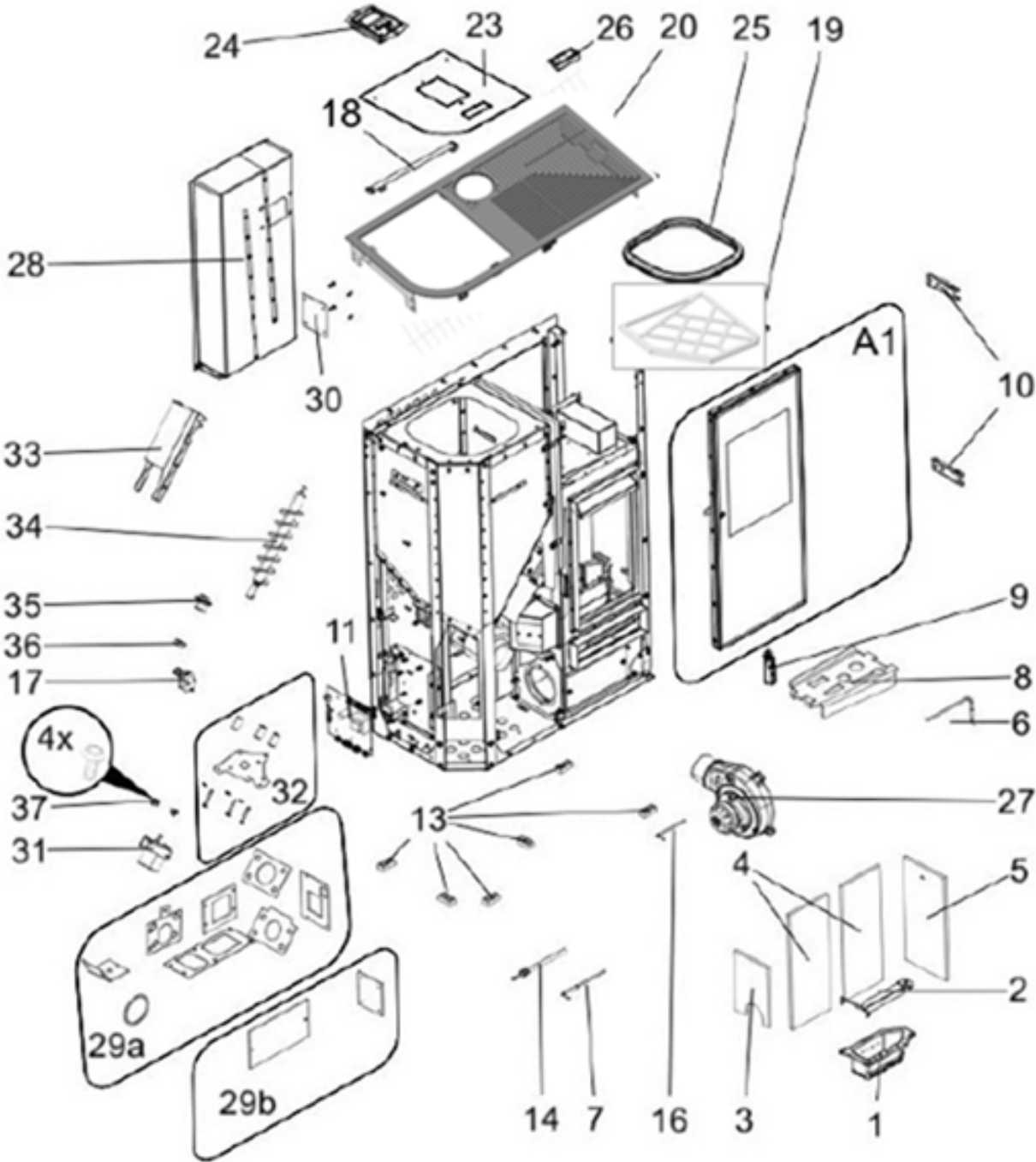


CAUTION

The exhaust pipes are checked and if necessary must be cleaned after the latest (max.) heating 1000kg of pellets.

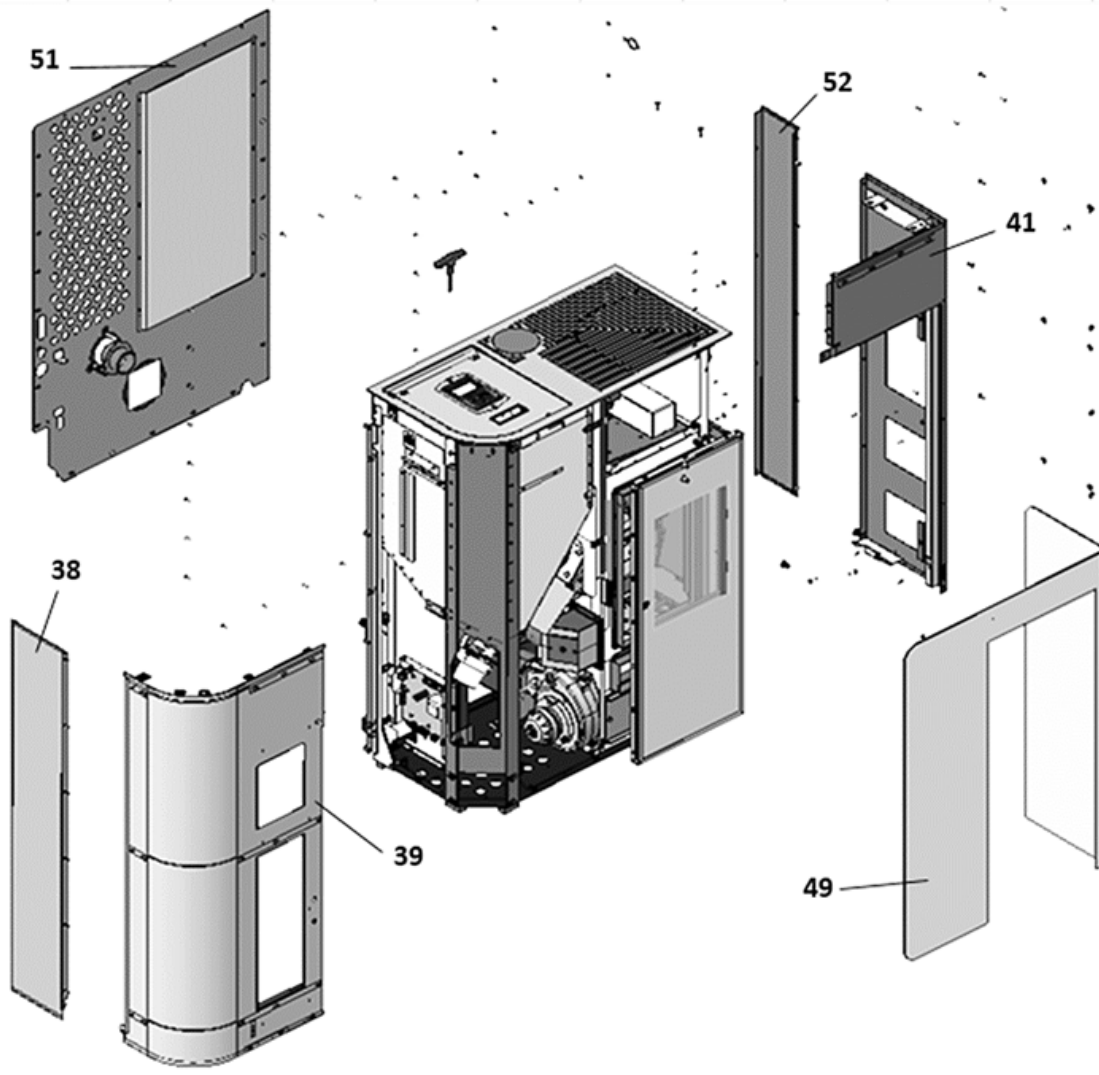
5. Replacement parts list

5.1. Replacement parts list HSP 8 Home-II 445.08 (without trim parts)



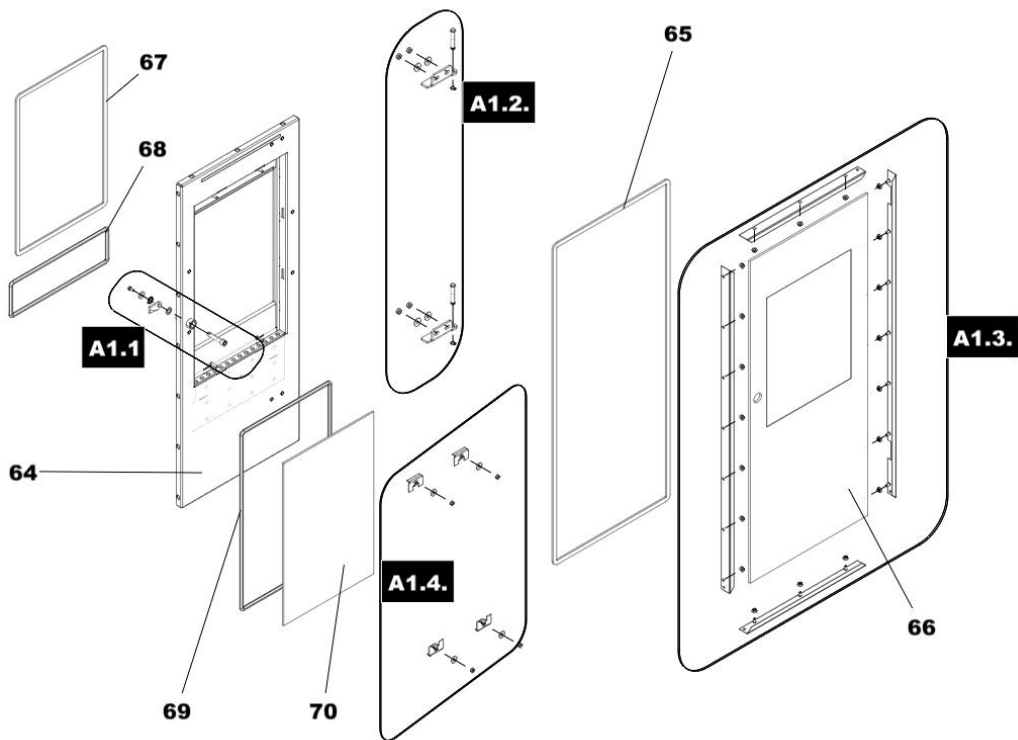
Pos.	Description	Piece	No. PR
Replacement parts list HSP 8 Home-II 445.08 (without trim parts)			
A1	Complete combustion chamber door/pearly-black	1 piece	0544208005300
1	Burner cast	1 piece	0544208006762
2	Protection grate	1 piece	0544208006713
3	Combustion chamber cladding left	1 piece	0544208005507
4	Combustion chamber cladding back	2 piece	0544208005505
5	Combustion chamber cladding right	1 piece	0544208005506
6	Flame temperature sensor	1 piece	0544008007511
7	Bottom temperature sensor	1 piece	0544008007539
8	Draught baffle plate	1 piece	0544208005752
9	Door contact switch	1 piece	0089500040005
10	Door hinge pearly-black	1 piece	0544008005450
11	Complete control unit	1 piece	0551908005569
12	Backup battery CR 2032	1 piece	—
13	Stand	6 piece	0082000105000
14	Ignition	1 piece	0541908005202
15	Room temperature sensor	1 piece	0089500390005
16	Flue gas thermosensor	1 piece	0561008005540
17	STB	1 piece	0089500080005
18	Cover hinge	2 piece	0544508046113
19	Protective grille	1 piece	0544508045971
20	Cover pearly-black	1 piece	0544508046180
23	Tank cover pearly-black	1 piece	0544508046150
24	Operator console	1 piece	0551908005569
25	Seal, tank cover	1060 mm	0544508045929
26	Handle	1 piece	0544008007581
27	Induced draught fan	1 piece	0561008005807
28	Heat exchanger	1 piece	0544008006000
29a	Seal - set	10 piece	0544508015011
29b	Seal - set cleaning	2 piece	0544408005012
30	Tank cover + screw DIN 7981 ST 4,8x13 - set	1+4 piece	0544008005019
31	Screw conveyor motor	1 piece	0089500000006
32	Motor plate - set	1 piece	0561008007080
33	Conveyor	1 piece	0544008005938
34	Screw conveyor	1 piece	0544008007090
35	Lower screw conveyor bearing	1 piece	0544008007047
36	Collet	1 piece	0089000340005
37	Screw UN5950 M5x10	4 piece	—

5.2. Replacement parts list HSP 8 Home-II 445.08



Pos.	Description	Piece	No. PR
Replacement parts list HSP 8 Home-II 445.08			
38	Side wall left white	1 piece	0544508046195
38	Side wall left pearly-gray	1 piece	0544508046194
39	Front part left pearly-black	1 piece	0544508016163
41	Front part right pearly-black	1 piece	0544508046185
49	Front part pearly-gray	1 piece	0544508016171
49	Front part white	1 piece	0544508016181
51	Back wall	1 piece	0544508017207
52	Side wall right pearly-black	1 piece	0544508046120

5.3. Detail A1



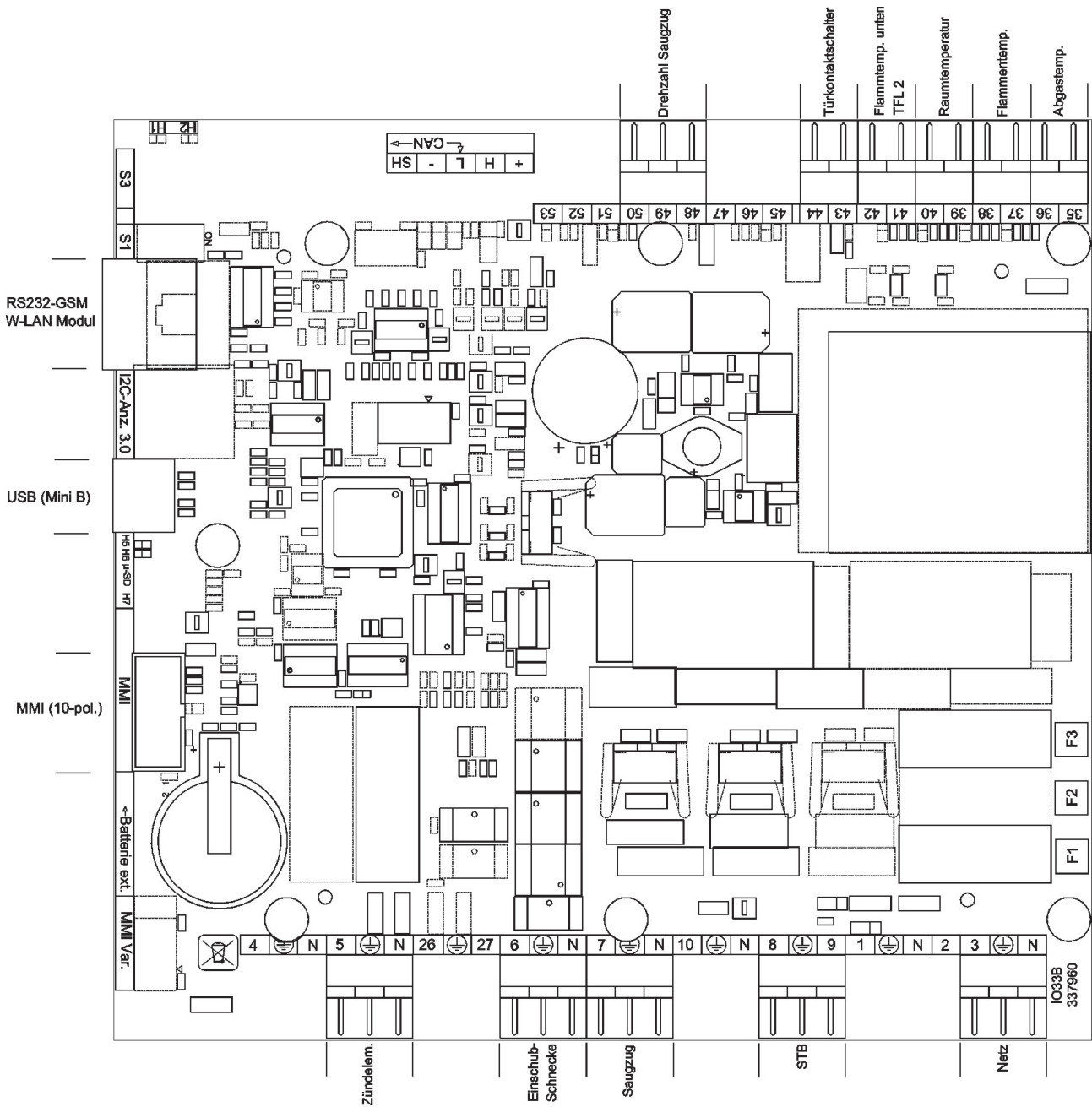
Replacement parts list

Pos.	Description	Piece	No. PR
Detail A1			
A1.1.	Screwing door	1 piece	0544208005221
A1.2.	Door hinge - Set	1 piece	0544208005222
A1.3.	Glass holder 1 - Set	1 piece	0544208005223
A1.4.	Glass holder 2 - Set	1 piece	0544208005224
64	Combustion chamber door/black	1 piece	—
65	Seal glass 10x2 mm	2300 mm	0040210020005
66	Door glass (795x335x5)	1 piece	0544208005301
67	Seal door 8 mm	1400 mm	0040008005001
68	Seal door 8 mm	800 mm	0040008005001
69	Seal glass 10x2 mm	1500 mm	0040210020005
70	Door glass (257x400x4)	1 piece	0544208005302

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6. Circuit diagram

Circuit diagram IO 33.3



Circuit diagram



Description Circuit diagram:

No.:	Description Cable harness
3	Mains plug / mains filter
5	Electric ignition
6	Screw conveyor motor
7	Induced draught
8.IX	OC
35/36	Flue gas temperature sensor
37/38	Flame temperature sensor
39/40	Room temperature sensor
41/42	Bottom flame temperature sensor
43/44	Door contact switch
48-50	Flue gas fan rotation speed
F1	Fuse T 3,15A ignition, induced draught fan, screw conveyor motor
F2	Fuse T 3,15A reserve
F3	Fuse T 0,315A operator console

