

BRUNNER WATER BOILERS



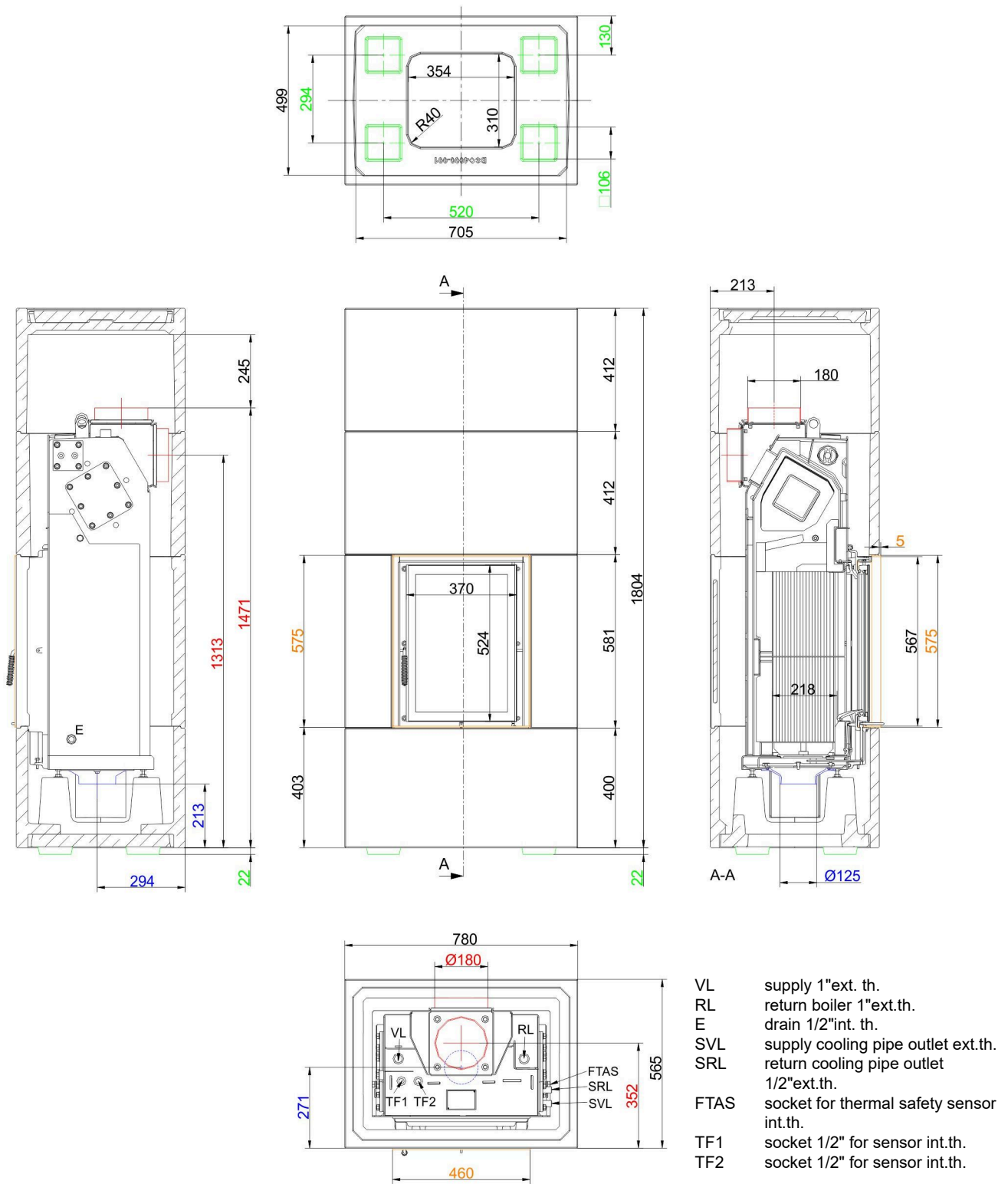
BSO 04 with HKD 2.2k SK

State: 2023-08-31



BRUNNER[®]
made in germany.

Dimension sheets - BSO 04 with HKD 2.2k SK



frame (orange), combustion air nozzle (blue), levelling feet (green) marked in color

We suggest for CAD planning Palette CAD. Permanent updated drawings: www.brunner.de

Frames/ flue gas outlet connection/ combustion air supply connection/ front variants/ support bearing are marked in color.

Planning and installation - BSO 04 with HKD 2.2k SK

Tested according to	EN 13229	
Data for functional demonstration		
Rated heat power	kW	8
Direct heat output	kW	2.4
Indirect heat output	kW	5.6
Fire wood volume	kg/h	2.5
Flue gas mass flow	g/s	9
Flue gas temperature	°C	210
Necessary supply pressure ¹⁾	Pa	12
Combustion air consumption	m ³ /h	25
Combustion air connection Ø	mm	125
Cladding components ²⁾		
Foot print (W x D)	mm	780 x 565
Overall height	mm	1826
Height of extension ring	mm	412
Minimal distances		
to mounting wall	cm	5
to mounting wall with heat protection panels	cm	0
to combustible mounting wall	cm	10
to combustible mounting wall with heat protection panels	cm	5
from top of fireplace to ceiling	cm	40
Cross-section of gratings ³⁾		
Convection air	cm ²	318
Supply air	cm ²	592
Heat insulation		
In ceiling region connection	cm	4
Weight		
Total weight	kg	573
Meets requirement/limit values for:		
Germany/ Austria / Switzerland / Norway	1.BImSchV (Stufe 2) / 15a BVG (2015) / LRV / -	

- 1) Damper flap recommended
- 2) Quality features of the cladding components in concrete look (fair-faced concrete class 2-3)

Dimensional tolerances of the casting mold parts

Straightness: +- 2 mm/m
 Length/width/thickness: +- 2 mm
 Squareness: +- 2 mm
 Flatness: +- 2,5 mm

Surface to visible side

Textur: closed and largely uniform; repair areas with color changes and hairline cracks permissible.
 Porosity: max. three holes with diameter <10 mm and depth <10 mm (reference area 100x100 mm).
 Colour shade: uniform, large-area light/dark discolouration and cement haze permissible; no rust and dirt spots as well as different bulk layers.

Note: deviations in color tone (e.g. extension rings) can be adjusted by applying a glaze-like paint (our recommendation: DecoLasur Matt tinted in the colour shade Schiefer16, Caparol).

With the BRUNNER revision set (Art. No. 900300), touch-up work can be carried out on the cladding components.

- 3) Existing convection air openings. If the construction differs from the supplied system kit (e.g. construction up to the ceiling or closed construction), the information in the data sheet is decisive for carrying out the cross section of the convection air openings.