

FIREPLACE INSERTS FROM BRUNNER



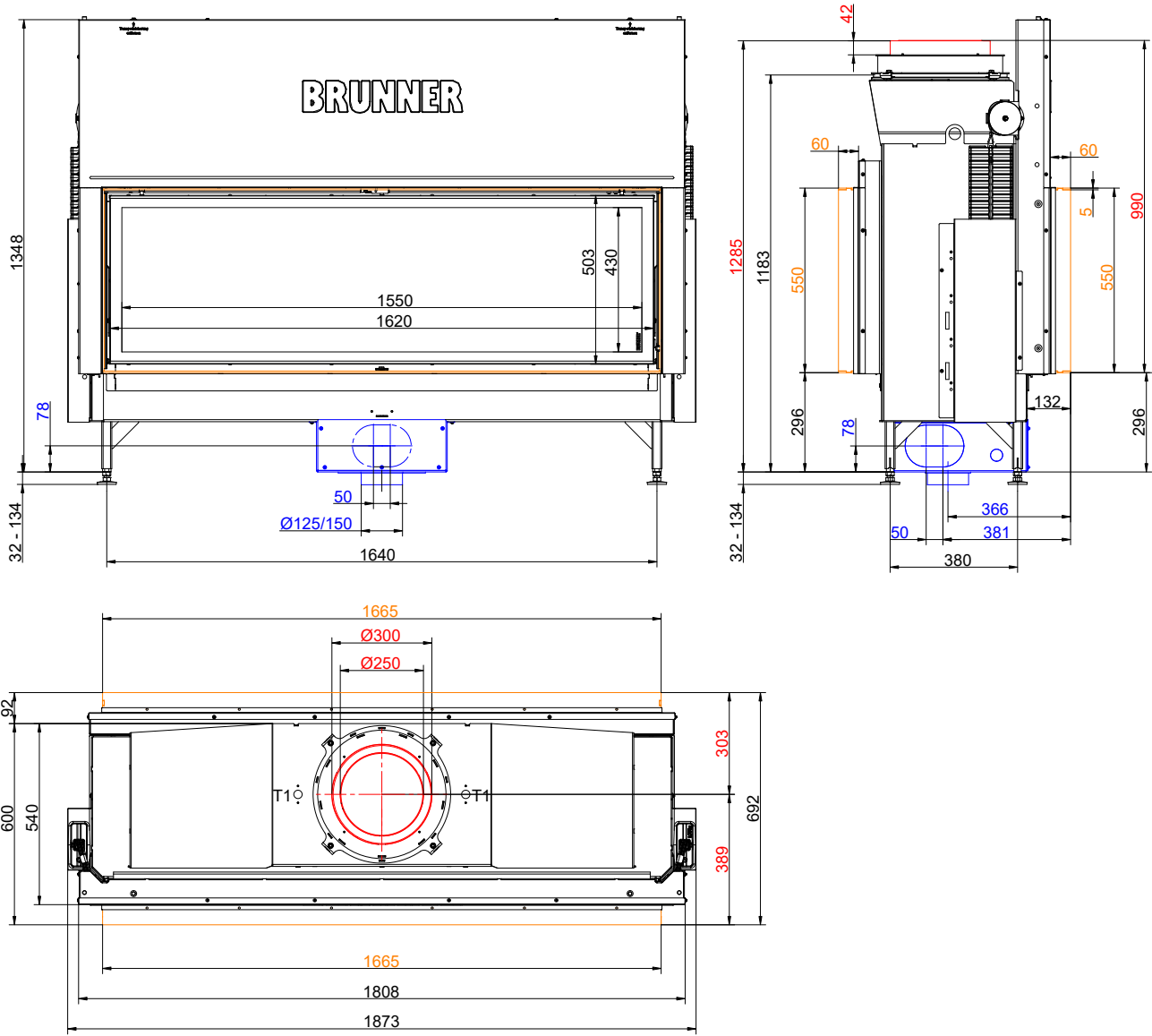
BKH Tunnel 50-162

State: 2026-03-24



BRUNNER®

Dimension sheets - BKH Tunnel 50-162



... with mounting frame

Technical drawing of the Brunner 1348 container, showing top and side views with dimensions.

Top View Dimensions:

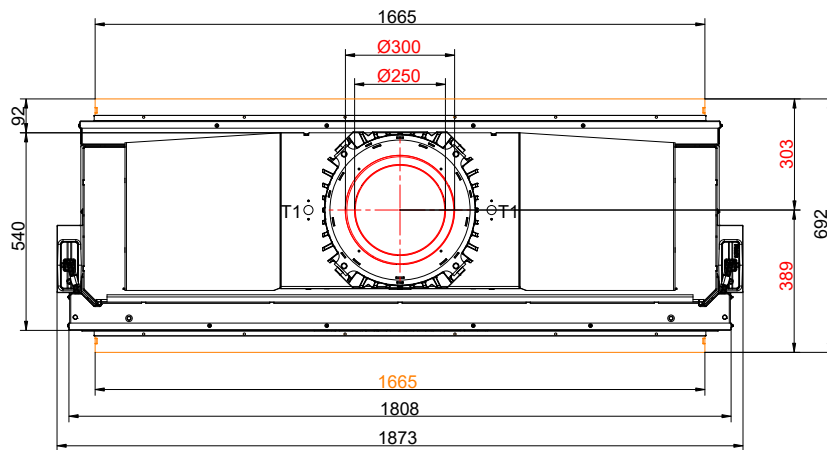
- Overall width: 1640
- Overall height: 1348
- Inner width: 1550
- Inner height: 430
- Outer height (including top rail): 503
- Height of top rail: 78

Side View Dimensions:

- Width of base: 50
- Height of base: 150
- Overall height: 134

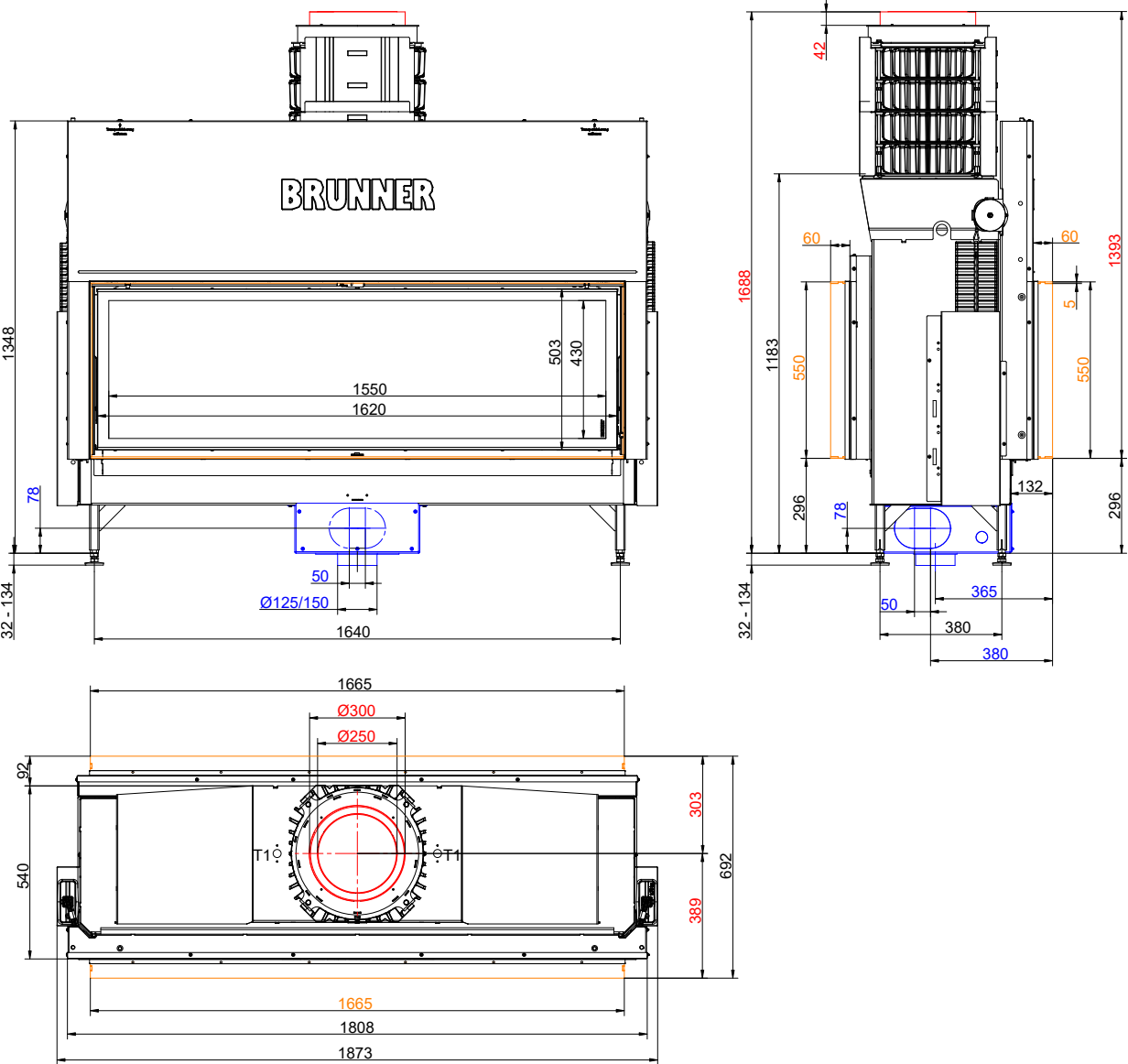
Other Details:

- Brand name: BRUNNER
- Material: Galvanized steel (Zn)
- Weight: 100 kg
- Capacity: 1000 l
- Dimensions: 1640 x 1348 x 134



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Dimension sheets - BKH Tunnel 50-162



... with mounting frame and 4x cast iron heat exchanger rings

Technical drawings of the BRUNNER 1000S conveyor system, showing dimensions in millimeters (mm).

Top View:

- Overall width: 1348 mm
- Overall length: 1640 mm
- Internal width: 1550 mm
- Internal length: 1620 mm
- Height of the main body: 430 mm
- Height of the side panel: 503 mm
- Height of the base: 78 mm
- Height of the side panel: 59 mm
- Height of the base: 2 mm
- Height of the side panel: 580 mm
- Height of the base: 131 mm
- Height of the side panel: 281 mm
- Height of the base: 32 - 134 mm
- Height of the side panel: 1183 mm
- Height of the base: 1285 mm
- Height of the side panel: 1005 mm
- Height of the base: 281 mm
- Height of the side panel: 365 mm
- Height of the base: 380 mm
- Height of the side panel: 380 mm

Side View:

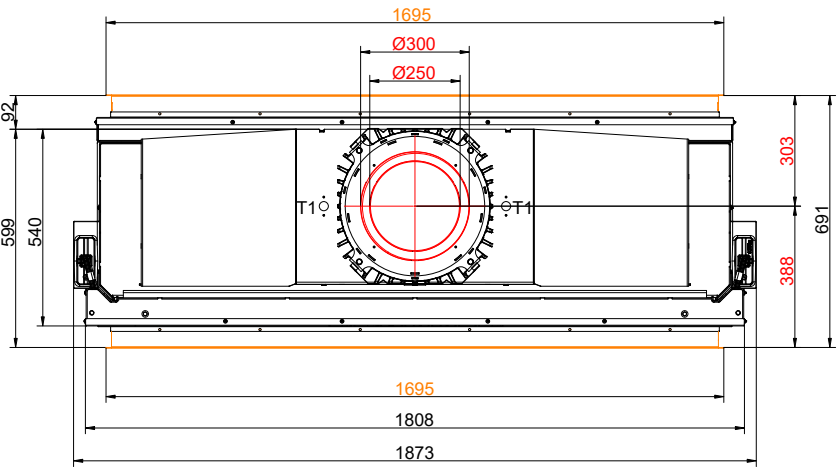
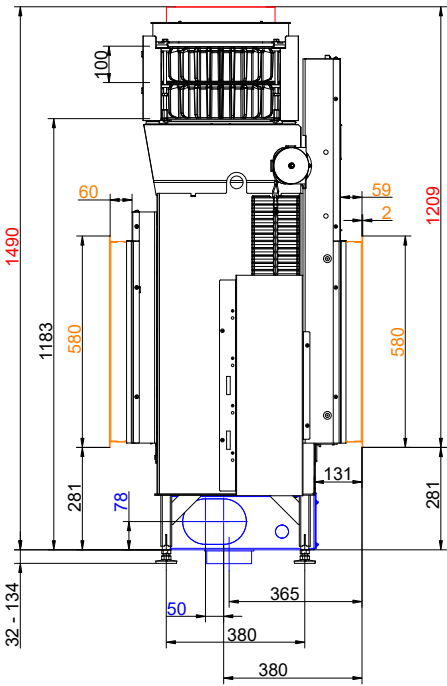
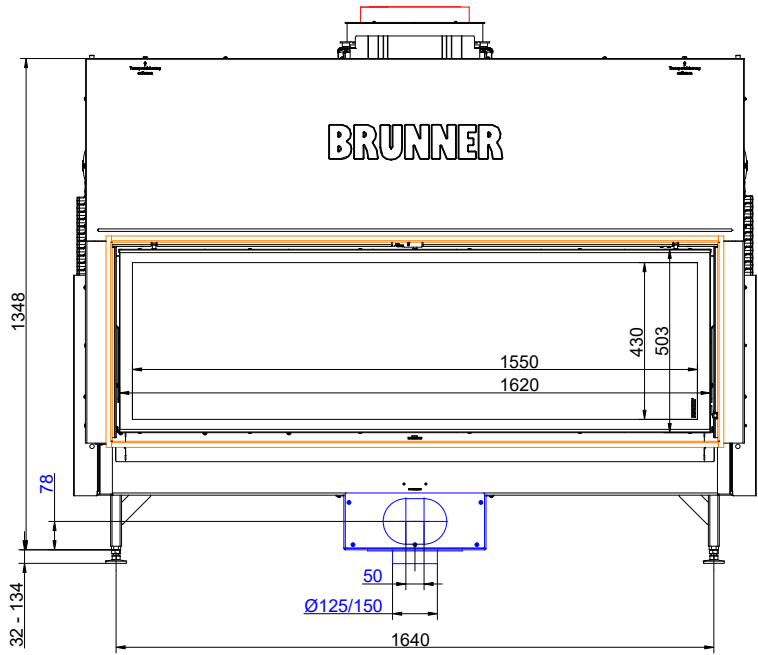
- Overall width: 1695 mm
- Overall height: 692 mm
- Height of the main body: 303 mm
- Height of the side panel: 388 mm
- Height of the base: 599 mm
- Height of the side panel: 540 mm
- Height of the base: 92 mm
- Height of the side panel: 1695 mm
- Height of the base: 1808 mm
- Height of the side panel: 1873 mm
- Height of the base: 1695 mm
- Height of the side panel: 1808 mm
- Height of the base: 1873 mm

Front View:

- Overall width: 1695 mm
- Overall height: 692 mm
- Height of the main body: 303 mm
- Height of the side panel: 388 mm
- Height of the base: 599 mm
- Height of the side panel: 540 mm
- Height of the base: 92 mm
- Height of the side panel: 1695 mm
- Height of the base: 1808 mm
- Height of the side panel: 1873 mm
- Height of the base: 1695 mm
- Height of the side panel: 1808 mm
- Height of the base: 1873 mm

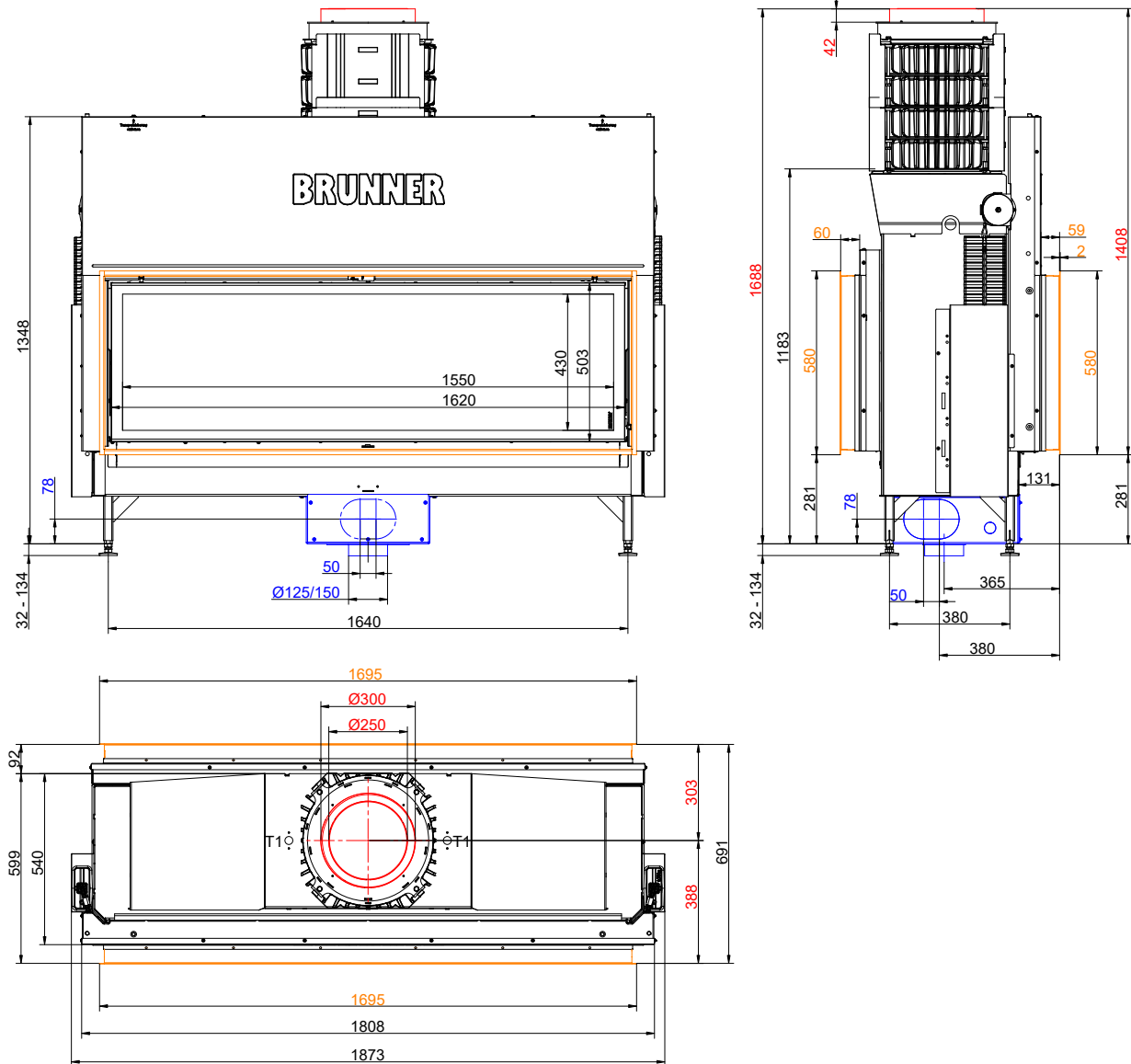
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Dimension sheets - BKH Tunnel 50-162



... with door frame and 2x cast iron heat exchanger rings

Dimension sheets - BKH Tunnel 50-162



... with door frame and 4x cast iron heat exchanger rings

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 - BKH Tunnel 50-162

Tested according to		EN 13229 W	EN 13229 WA
Values measured at		Rated power ¹⁾	Storage operation ²⁾
Data for functional demonstration			
Rated heat power	kW	14.5	-
Fire wood volume	kg/h	4.1	5.3
Combustion performance	kW	17	23
Flue gas mass flow	g/s	12	19
Flue gas temperature after:			
Flue outlet nozzle Ø	°C	250	290
2 x / 4 x cast iron heat exchanger rings + dome	°C	190 / 160	230 / 180
Necessary supply pressure	Pa	13	13
Fuel amount	kg	4.9	6.3
Combustion air consumption	m³/h	42	54
Combustion air connection Ø	mm	150	150
Heat distribution			
Insert / reheating surface	%	30 / 30	30 / 30
Glass ceramic / glass ceramic coated (GKB)	%	40 / 30	40 / 30
Cross-section of gratings ³⁾			
Exhaust warm air	cm²	1000	1000
Recirculation air	cm²	1000	1000
Minimal oven surface for closed construction type			
Heat dissipating surface	m²	5.1	5.1
Minimal distances of the fireplace			
Heat protection panel for cladding, insulation layer	cm	-	-
to cladding, insulation layer	cm	5	5
to the floor (non-combustible)	cm	3	3
Fire protection with active rear ventilation, intermediate space			
Minimum insulation thickness for construction : insulation material l 5 cm rear active ventilation l wall ⁴⁾			
for mounting wall (combustible/non-combustible)	cm	5	5
Minimum insulation thickness for construction: insulation material l 30 cm closed gap l ceiling ⁵⁾			
for ceiling (combustible)	cm	10	10
Fire protection with adequate insulation material			
Minimum insulation thickness for construction: insulation material l mounting wall, ceiling, floor ⁵⁾			
with heat protection panel, mounting wall (non-combustible) ⁶⁾	cm	6	6
with heat protection panel, mounting wall (combustible) ⁶⁾	cm	12	12
Mounting wall (non-combustible)	cm	8	8
Mounting wall (combustible)	cm	18	18
Ceiling (non-combustible)	cm	8	8
Ceiling (combustible)	cm	22	22
Floor (non-combustible)	cm	0	0
Minimum distances in front of the combustion chamber, Glass ceramic / glass ceramic coated (GKB)			
for combustible parts	cm	≥ 120 / ≥ 80	≥ 120 / ≥ 80
Weight			
Fireplace insert + combustion chamber inner lining chamotte/cast iron	kg	431 + 102 / 112	

Planning and installation - BKH Tunnel 50-162

EU / Germany

Ecodesign / 1. BImSchV (Stufe 2)

- 1) Indications to "Rated power" determined with 4 heat exchanger rings made of cast iron and Ø200 dome.
- 2) Indications to "Storage operation" for the manual execution of the reheating surface (guide values).
- 3) Air cross-sections if the specified nominal heat output is desired as the heat output.
- 4) Fire safety: Values determined with air cross-sections recorded for testing purposes; active rear ventilation, stove shell is heat emitting.
Insulation thickness 5 cm calcium silicate board (brands: Promasil, Silka, Skamol) and 5 cm active rear ventilation with diagonally positioned air circulation and supply air openings of 75 cm² (5x15 cm) each. For detailed design, see assembly instructions.
- 5) Fire safety: values determined in safety test with air cross-sections recorded for testing purposes; stove shell is heat emitting.
Information on replacement insulation material with calcium silicate boards (brands: Promasil, Silka, Skamol).
The specifications for non-combustible walls/ceilings and the structure with a closed gap (30 cm) correspond to the specifications of TROL (Germany), see assembly instructions, planning handbook.
- 6) Heat protection panel: accessory for BKH flat/tunnel/corner versions; factory-fitted for BKH panoramic fireplaces.