

FIREPLACE INSERTS FROM BRUNNER



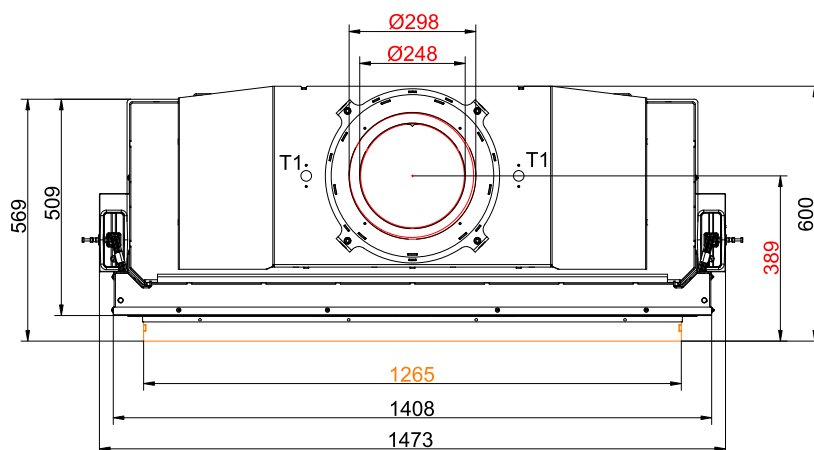
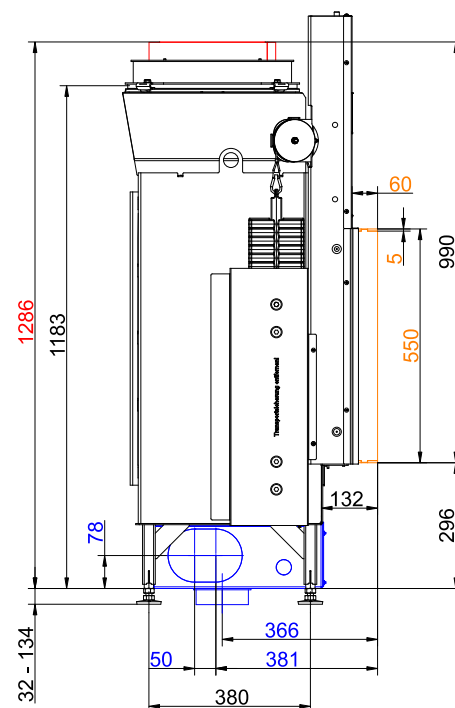
BKH flat 50-122 green

State: 2026-03-09



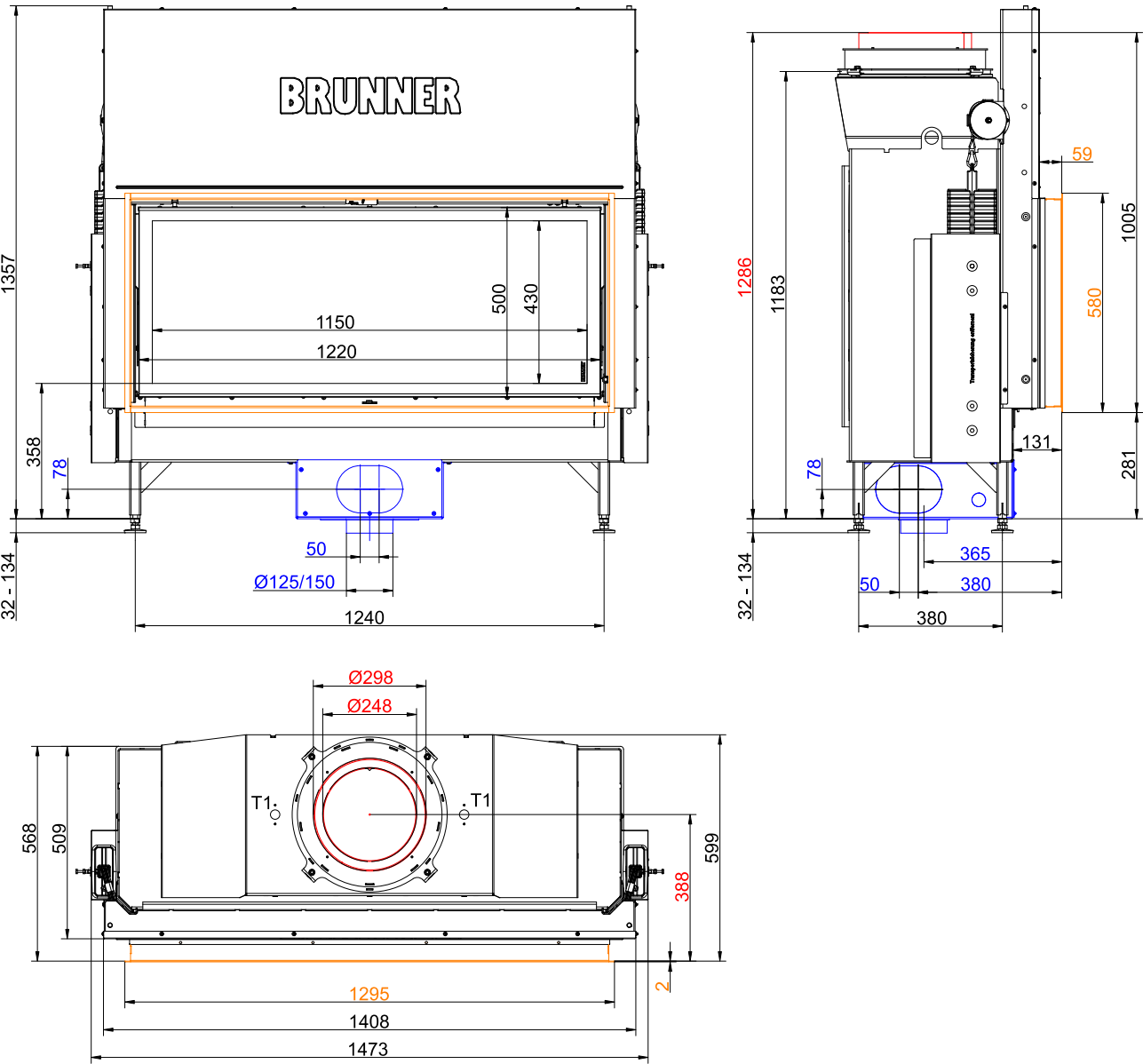
BRUNNER[®]
heizen auf bayerisch.

Technical drawing of the Brunner 1220x500mm sink unit. The drawing shows a top-down view of the unit with dimensions in millimeters. The overall width is 1240mm and the height is 1357mm. The sink basin is 1150mm wide and 430mm deep. The unit is mounted on a wall with a 32-134mm clearance. The sink is labeled "BRUNNER" and has a 50mm wide overflow. The unit is shown with a blue outline and a white background.



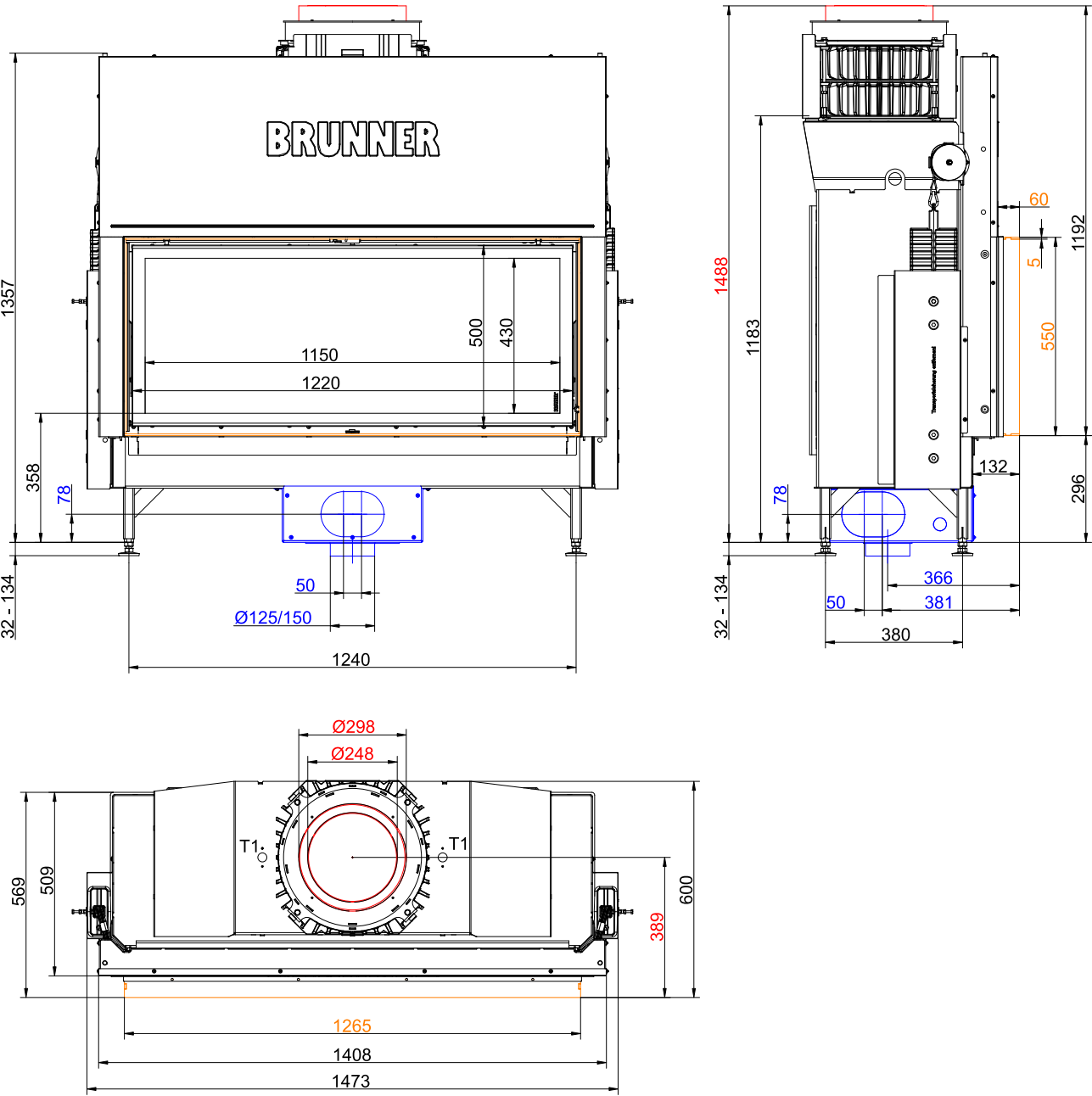
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Dimension sheets - BKH flat 50-122 green



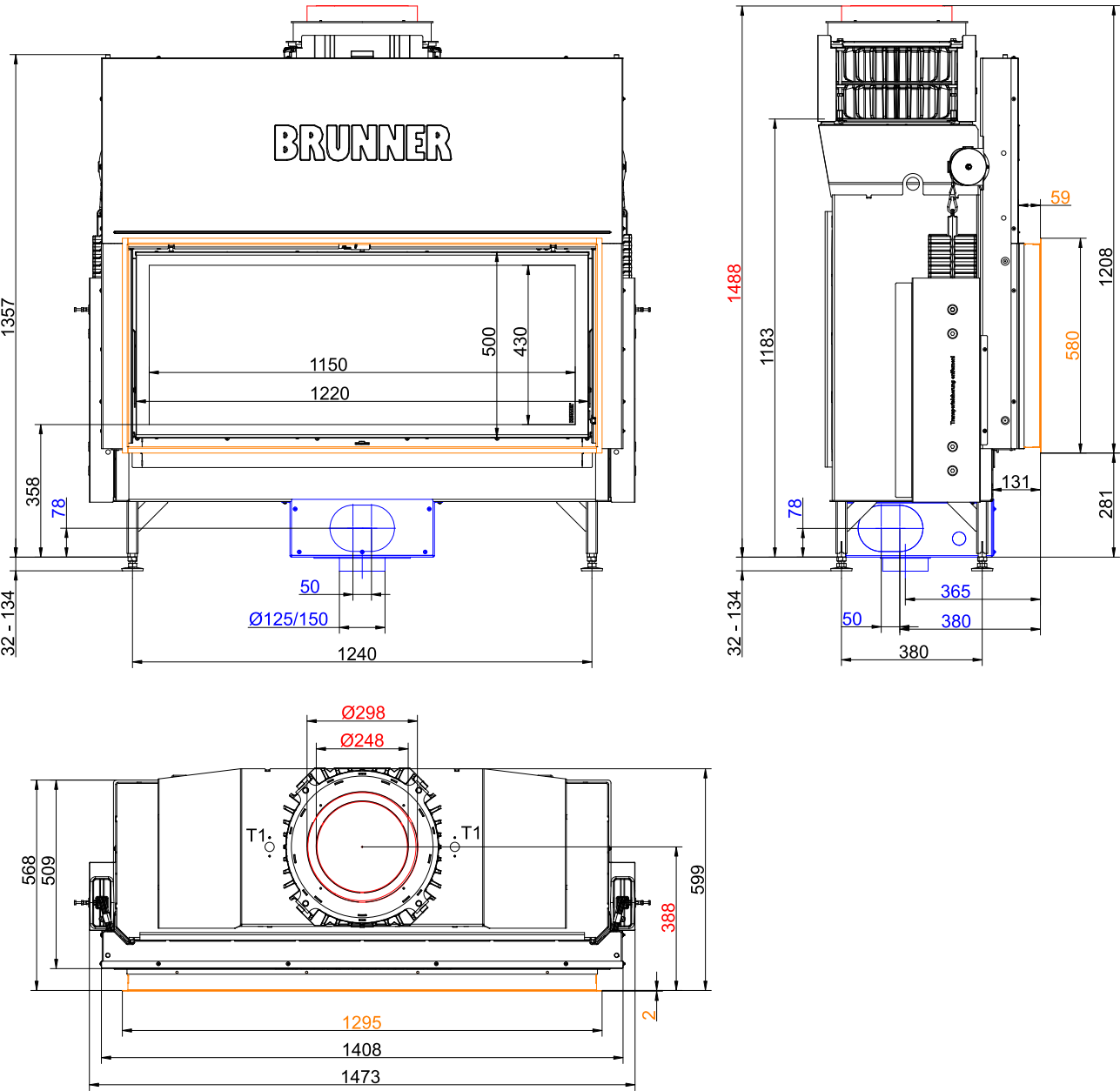
... with door frame

Dimension sheets - BKH flat 50-122 green

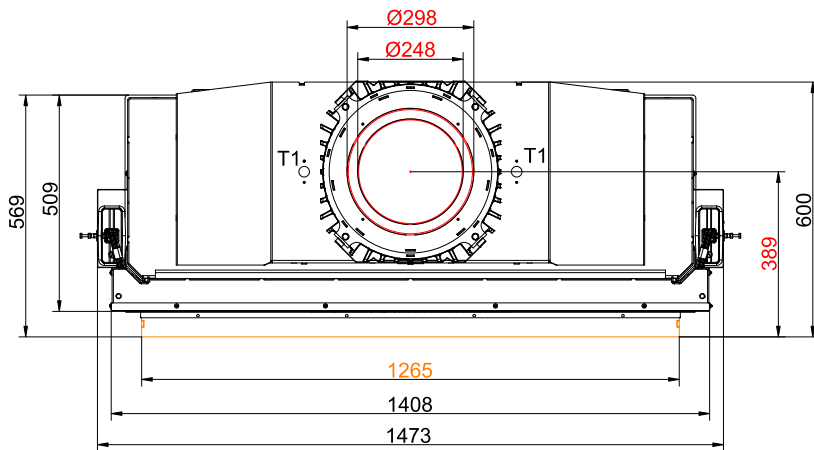


... with mounting frame and 2x cast iron heat exchanger rings

Dimension sheets - BKH flat 50-122 green

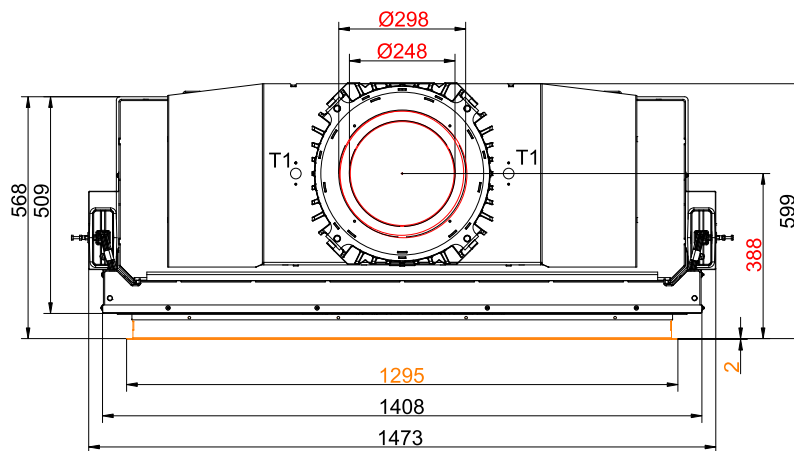
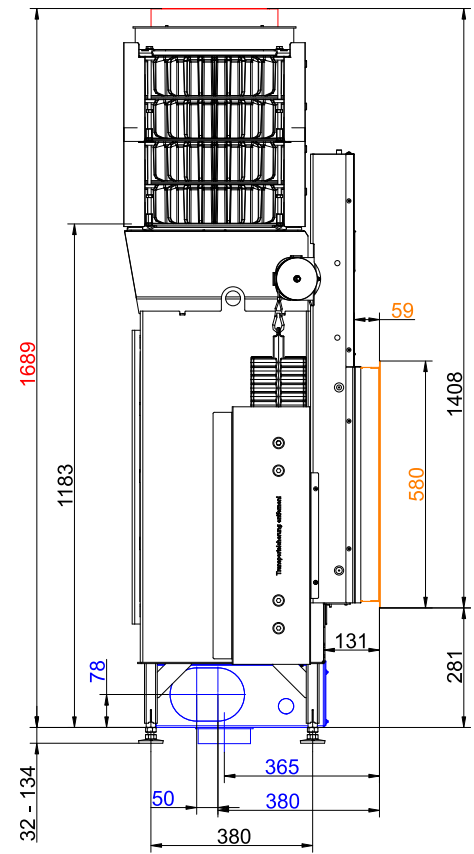
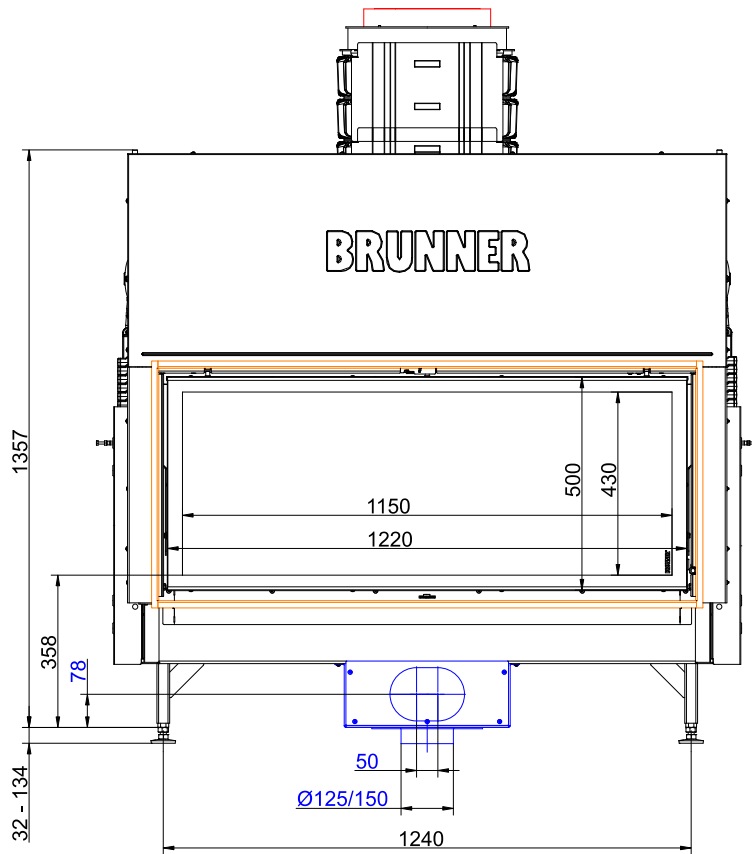


... with door frame and 2x cast iron heat exchanger rings



State: 2026-03-09

Dimension sheets - BKH flat 50-122 green



... 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 flat 50-122 green

Tested according to	EN 16510	
Values measured at	Rated power ¹⁾	
Data for functional demonstration		
Rated heat power	kW	14.5
Fire wood volume	kg/h	3.9
Combustion performance	kW	17
Flue gas mass flow	g/s	12
Flue gas temperature after:		
Flue outlet nozzle Ø	°C	250
2x / 4x cast iron heat exchanger rings + dome	°C	190 / 160
Necessary supply pressure	Pa	12
Fuel amount	kg	4.4
Combustion air consumption	m³/h	42
Combustion air connection Ø	mm	150
Heat distribution		
Insert / reheating surface	%	30 / 30
Glass ceramic / glass ceramic coated (GKB)	%	40 / 30
Cross-section of gratings ²⁾		
Exhaust warm air	cm²	1000
Recirculation air	cm²	1000
Minimal oven surface for closed construction type		
Heat dissipating surface	m²	5.8
Minimal distances of the fireplace		
Heat protection panel for cladding, insulation layer	cm	-
to cladding, insulation layer	cm	5
to the floor (non-combustible)	cm	3
Fire protection with active rear ventilation, intermediate space		
Minimum insulation thickness for construction : insula- tion material l 5 cm rear active ventilation l wall ³⁾		
for mounting wall (combustible/non-combustible)	cm	5
Minimum insulation thickness for construction: insula- tion material l 30 cm closed gap l ceiling ⁴⁾		
for ceiling (combustible)	cm	10
Fire protection with adequate insulation material		
Minimum insulation thickness for construction: insula- tion material l mounting wall, ceiling, floor ⁴⁾		
with heat protection panel, mounting wall (non- combustible) ⁵⁾	cm	6
with heat protection panel, mounting wall (combustible) ⁵⁾	cm	12
Mounting wall (non-combustible)	cm	8
Mounting wall (combustible)	cm	18
Ceiling (non-combustible)	cm	8
Ceiling (combustible)	cm	22
Floor (non-combustible)	cm	0
Minimum distances in the radiation area, glass ceramic / glass ceramic coated (GKB)		
Distance to the glass pane, frontal radiation protection area (d _F)	cm	120 / 80
Lateral range of the radiation protection area (D)	cm	50 / 35
Radiation protection area floor (d _F)	cm	50 / 35
Radiation protection area side wall (d _L)	cm	50 / 35

Planning and installation - BKH flat 50-122 green

Weight

Fireplace insert + combustion chamber inner lining chamotte/cast iron	kg	297 + 118 / 148
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Meets requirement/limit values for:

EU / Germany	Ecodesign / 1. BImSchV (Stufe 2)
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- 1) Indications to "Rated power" determined with 4 heat exchanger rings made of cast iron and Ø200 dome.
- 2) Air cross-sections if the specified nominal heat output is desired as the heat output.
- 3) 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.
- 4) 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.
- 5) Heat protection panel: accessory for BKH flat/tunnel/corner versions; factory-fitted for BKH panoramic fireplaces.