

FIREPLACE INSERTS FROM BRUNNER



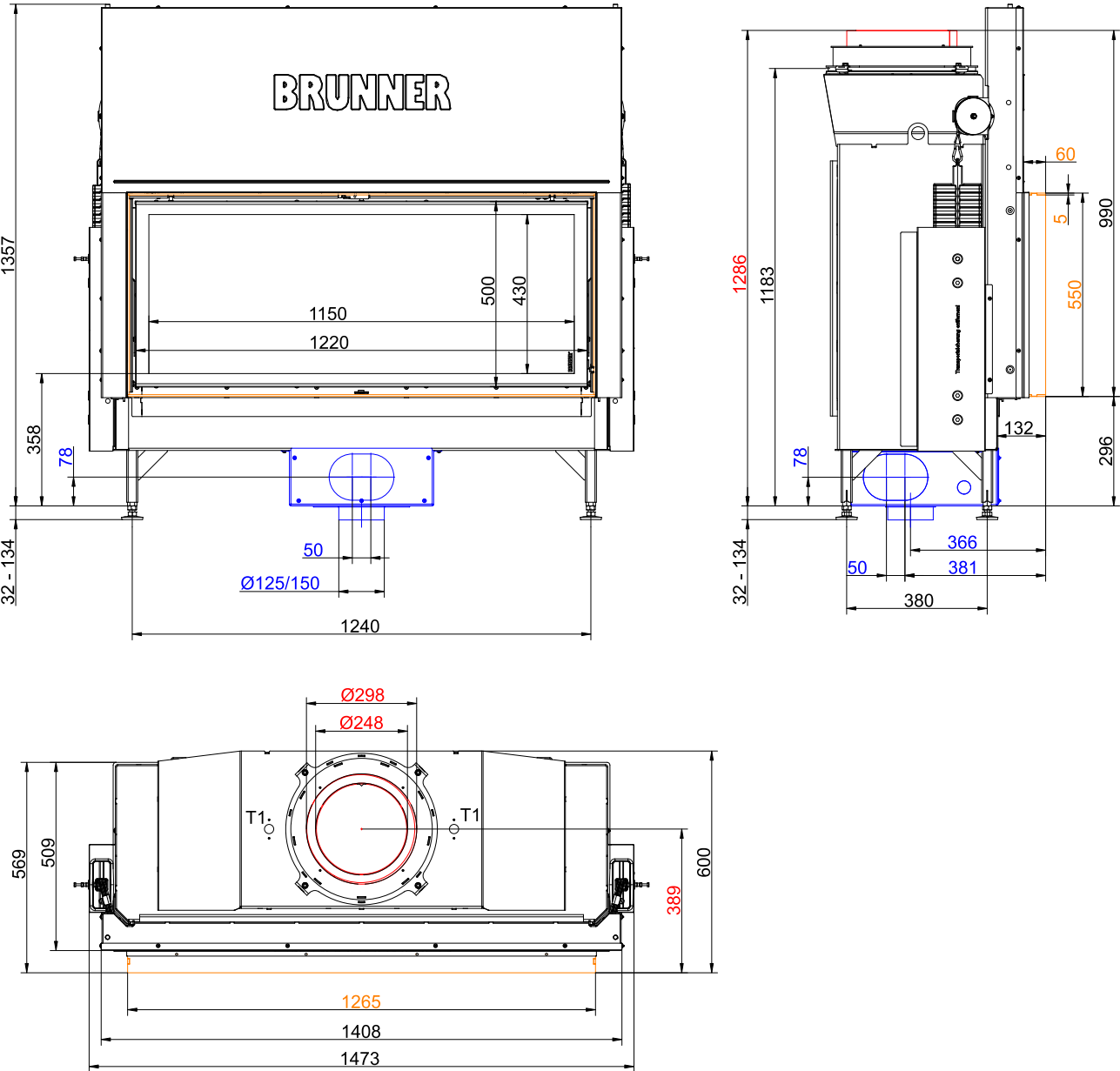
BKH flat 50-122 green

State: 2026-03-09



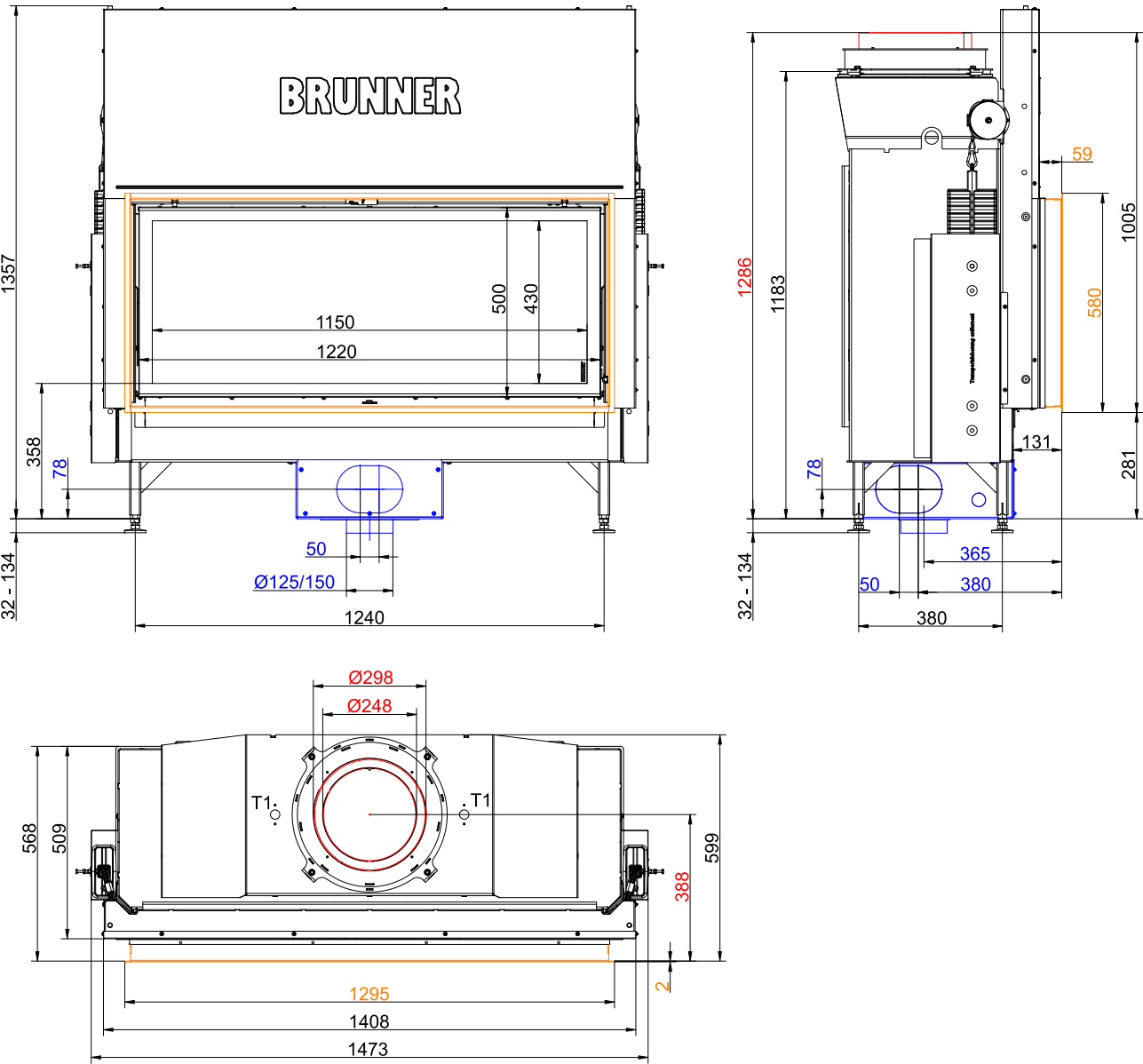
BRUNNER®
heizen auf bayerisch.

Dimension sheets - BKH flat 50-122 green



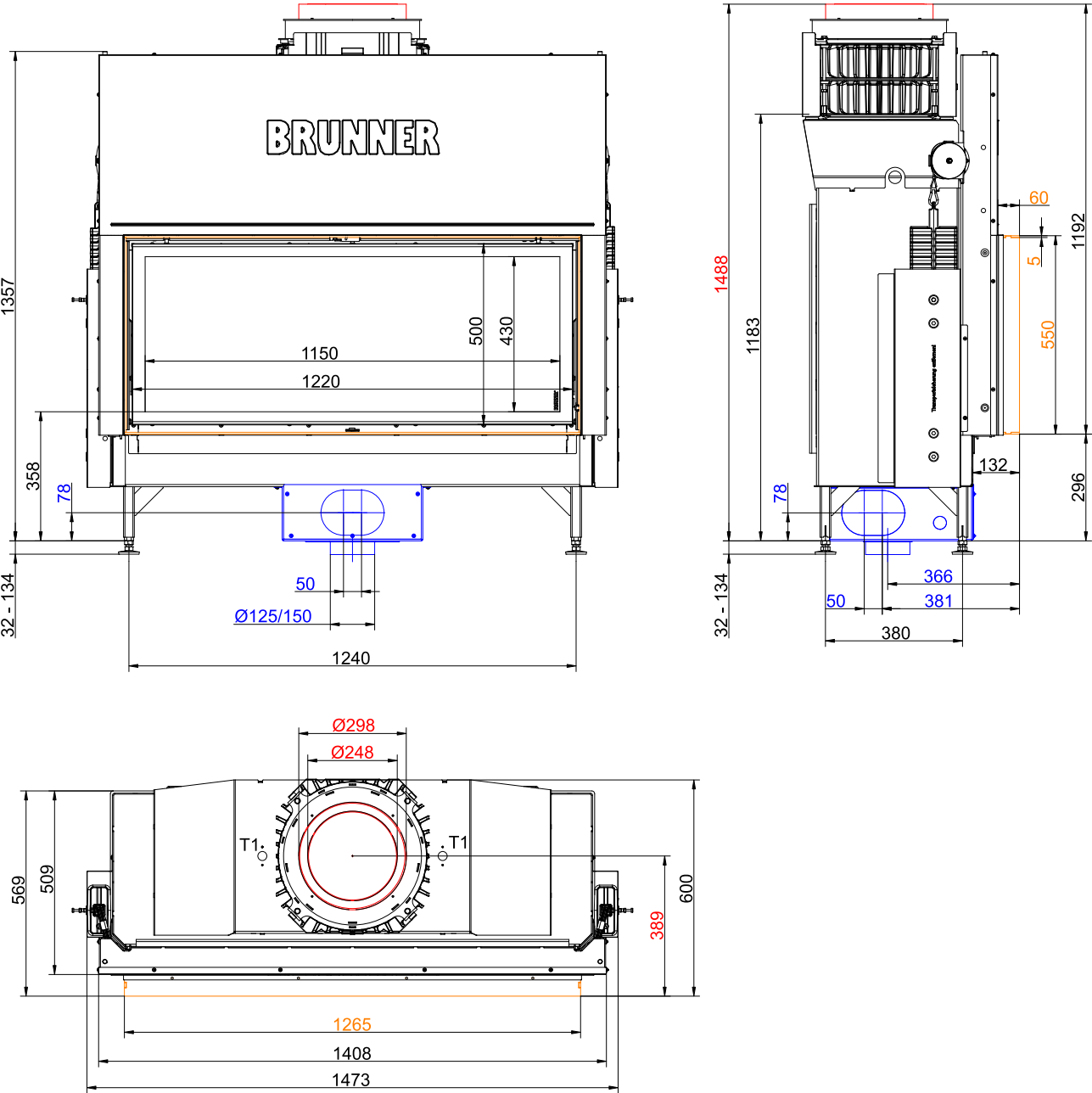
... with mounting frame

Dimension sheets - BKH flat 50-122 green



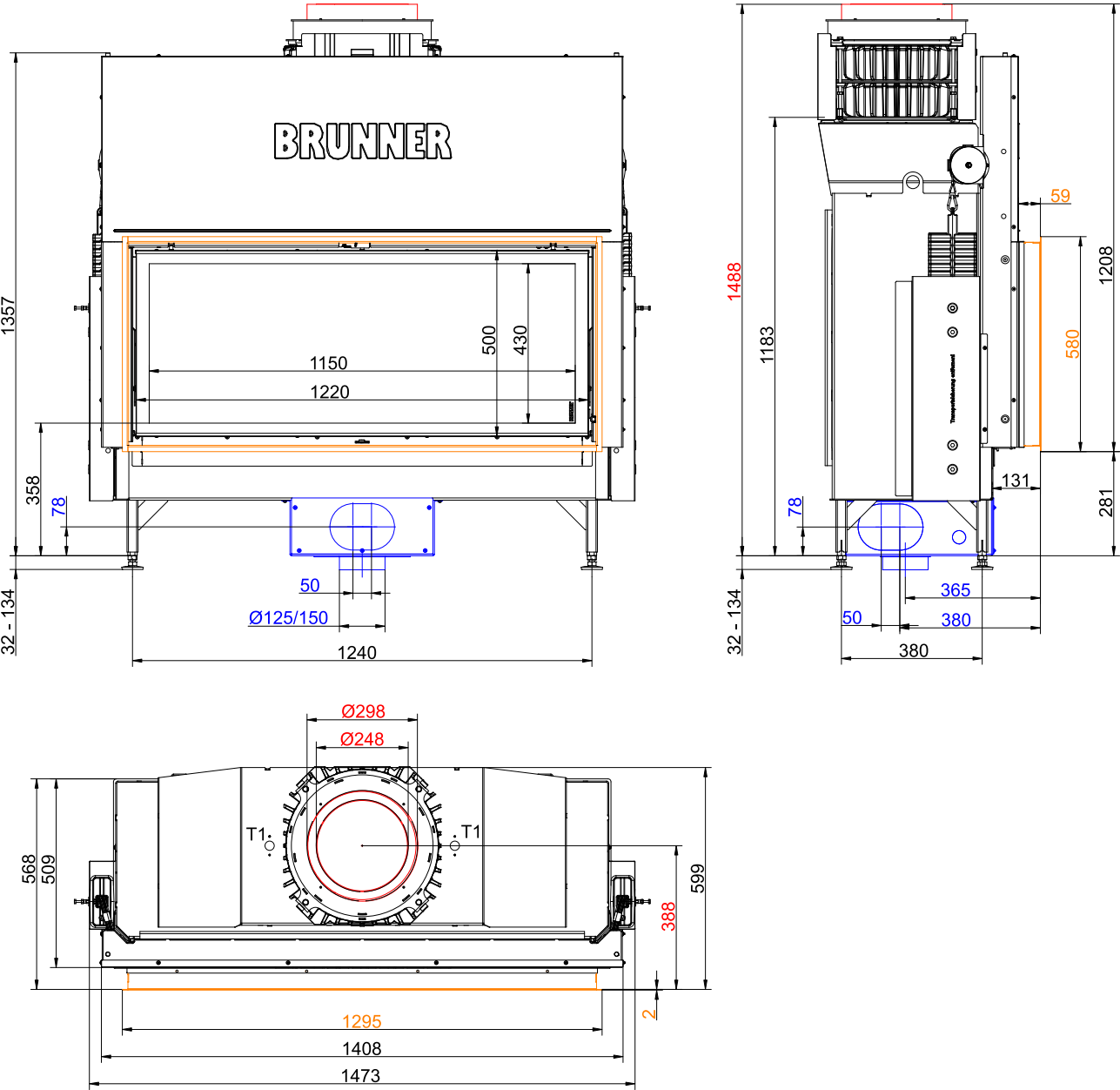
... with door frame

Dimension sheets - BKH flat 50-122 green



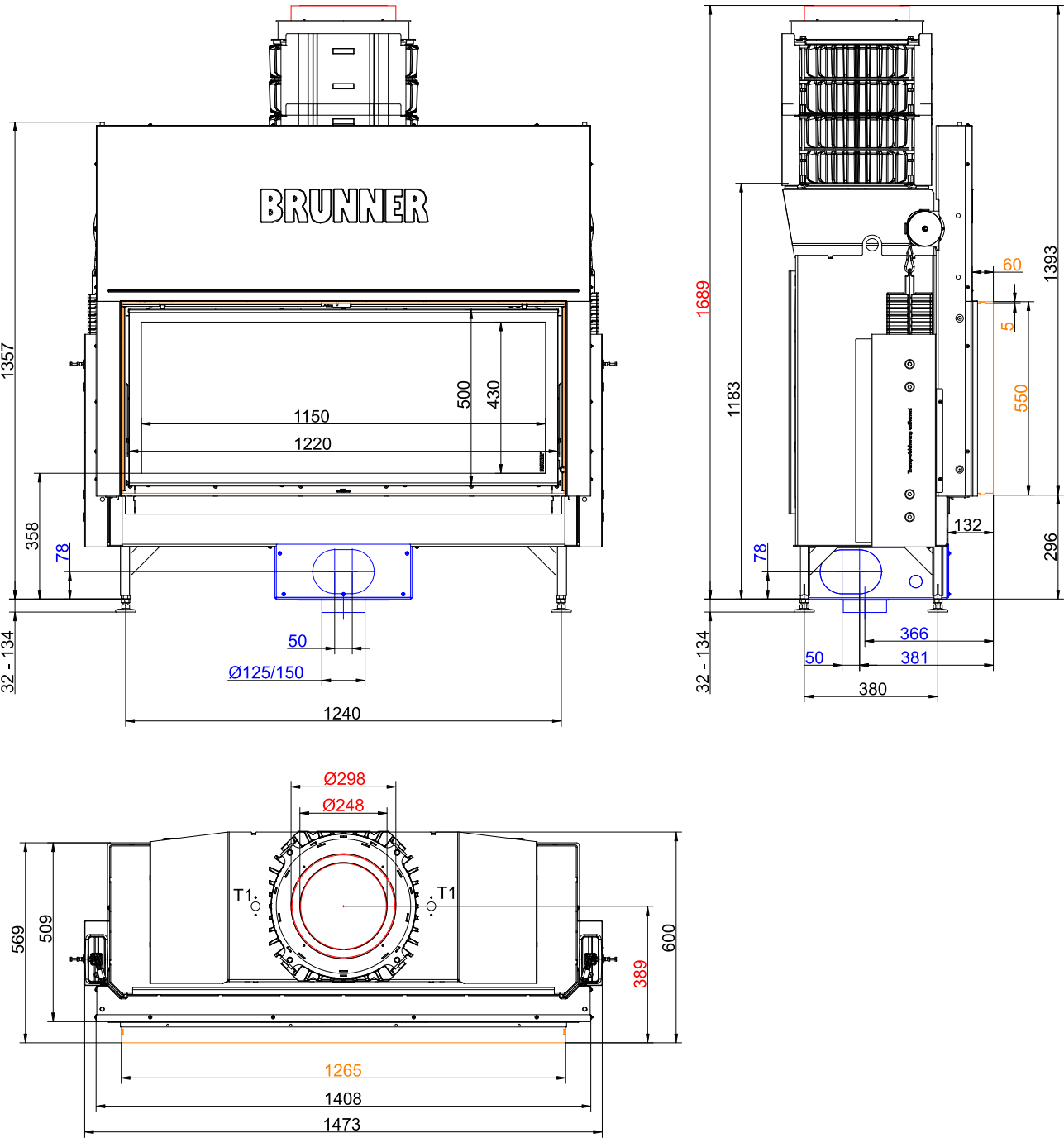
... with mounting frame and 2x cast iron heat exchanger rings

Dimension sheets - BKH flat 50-122 green



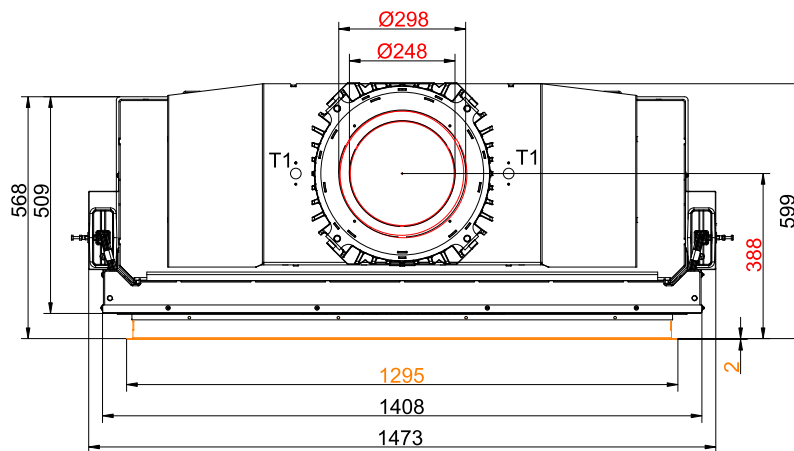
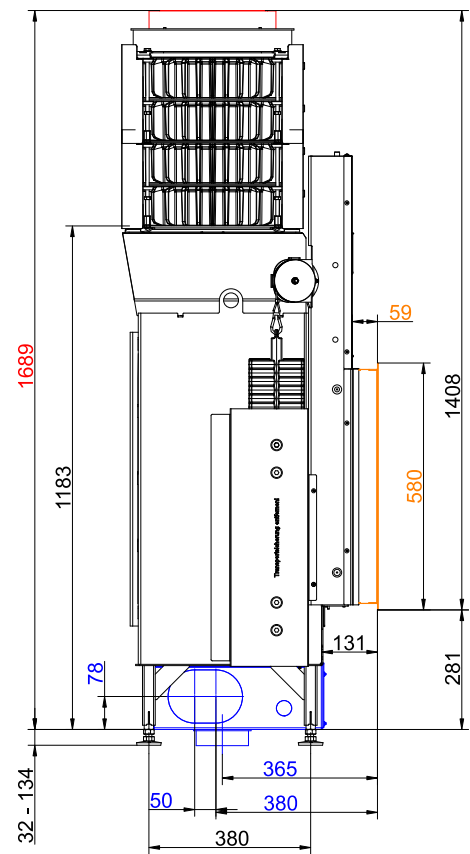
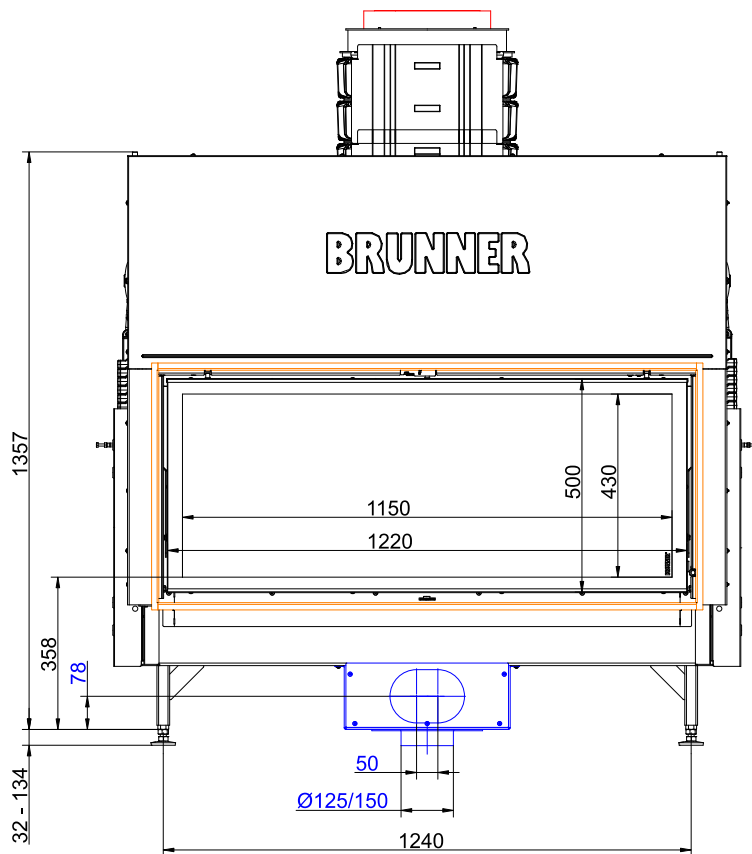
... with door frame and 2x cast iron heat exchanger rings

Dimension sheets - BKH flat 50-122 green



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

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 : insulation material 5 cm rear active ventilation wall ³⁾		
for mounting wall (combustible/non-combustible)	cm	5
Minimum insulation thickness for construction: insulation material 30 cm closed gap ceiling ⁴⁾		
for ceiling (combustible)	cm	10
Fire protection with adequate insulation material		
Minimum insulation thickness for construction: insulation material 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.