FIREPLACE INSERTS FROM BRUNNER

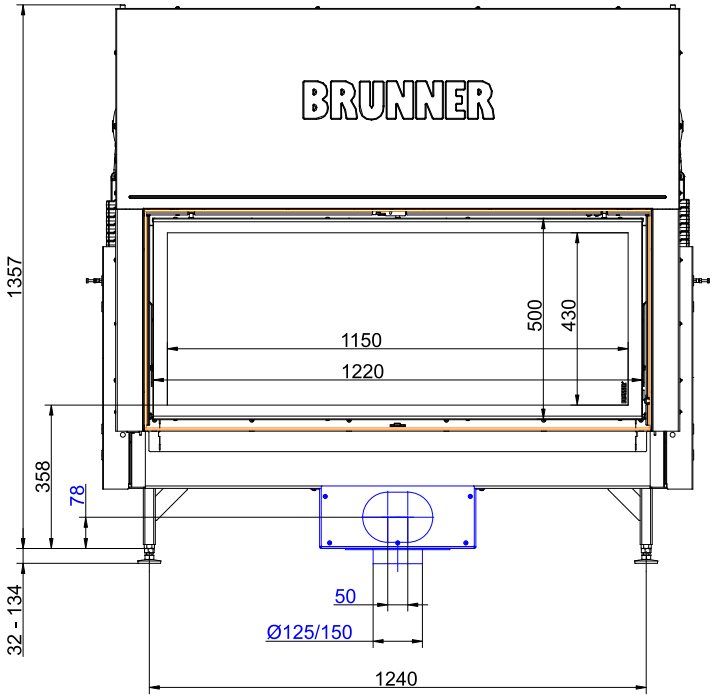
BKH Tunnel 50-122

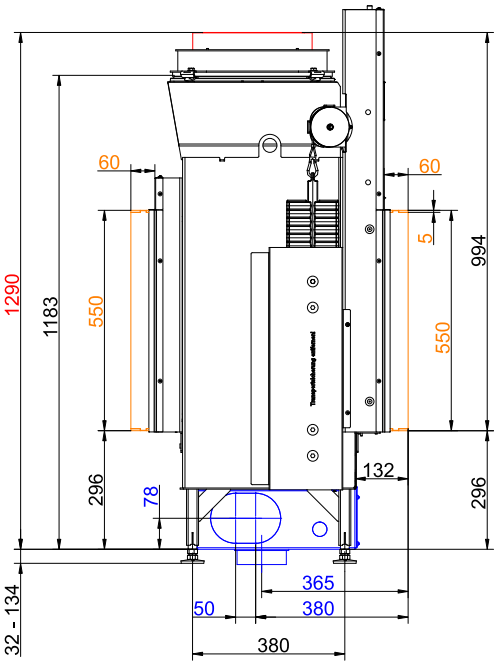
State: 2026-07-08

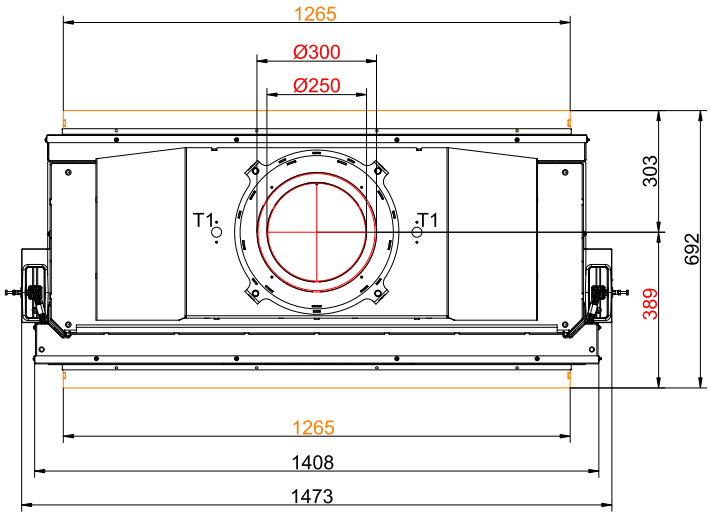
BRUNNER®

heizen auf bayerisch.

Dimension sheets - BKH Tunnel 50-122







… with mounting frame

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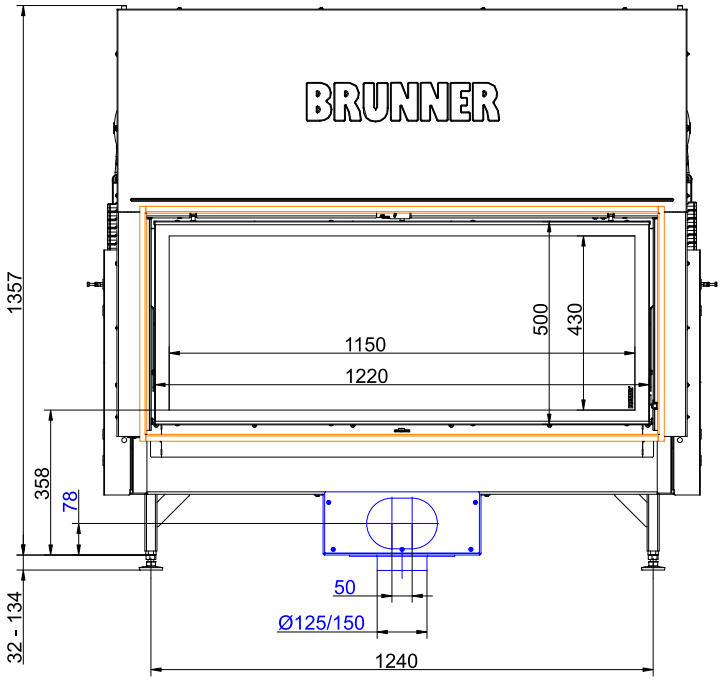
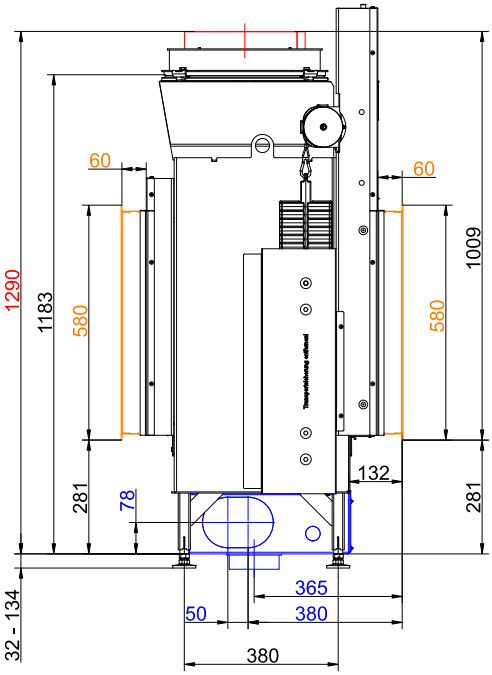
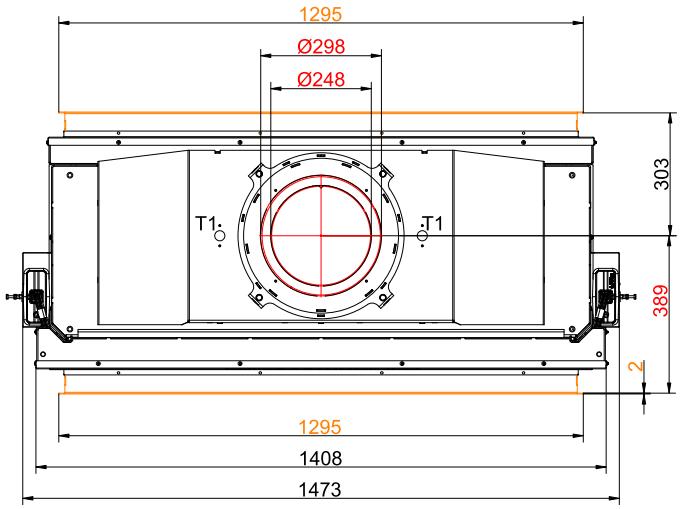
Dimension sheets - BKH Tunnel 50-122







… with door frame

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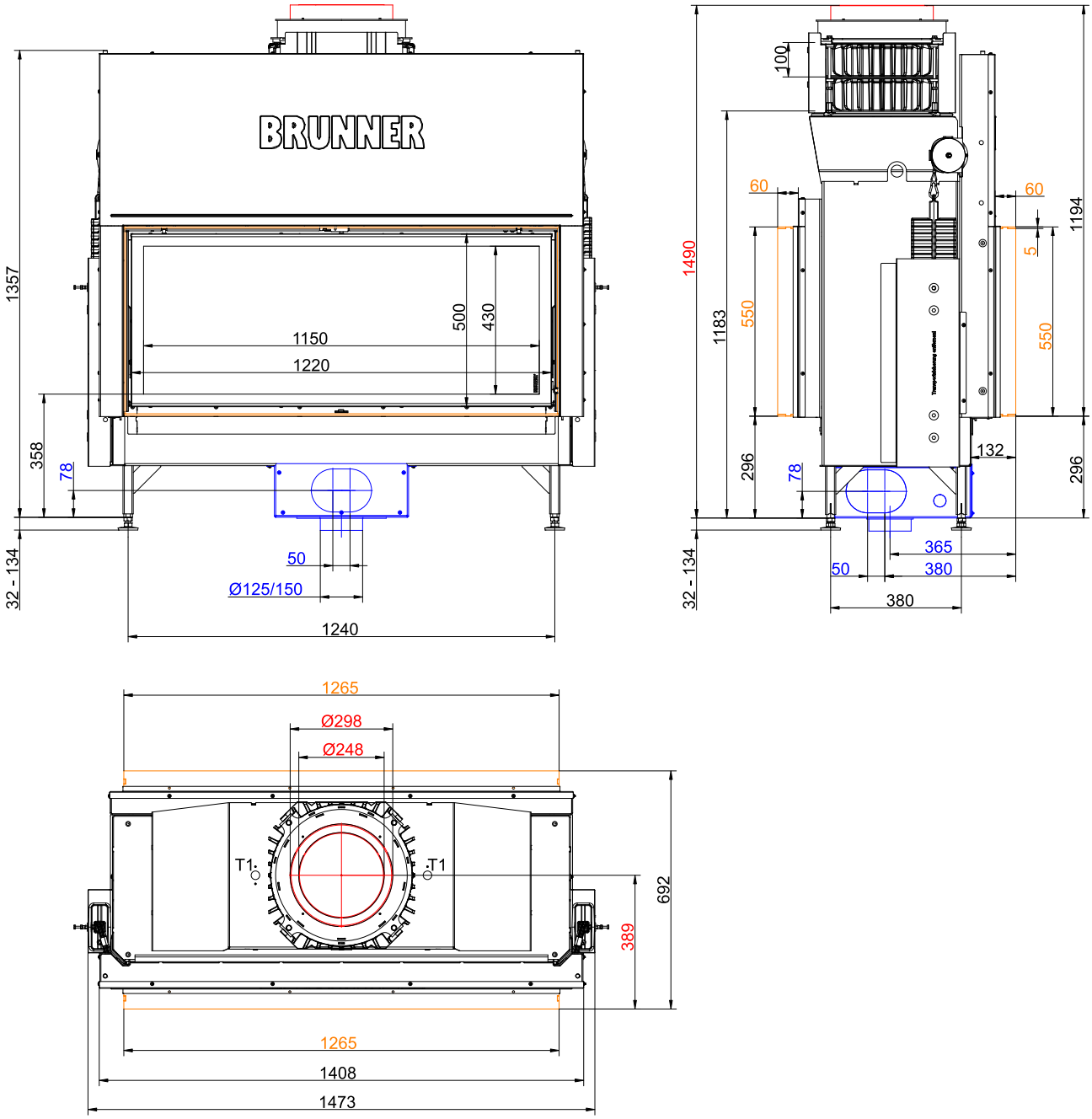

… with mounting frame and 2x cast iron heat exchanger rings

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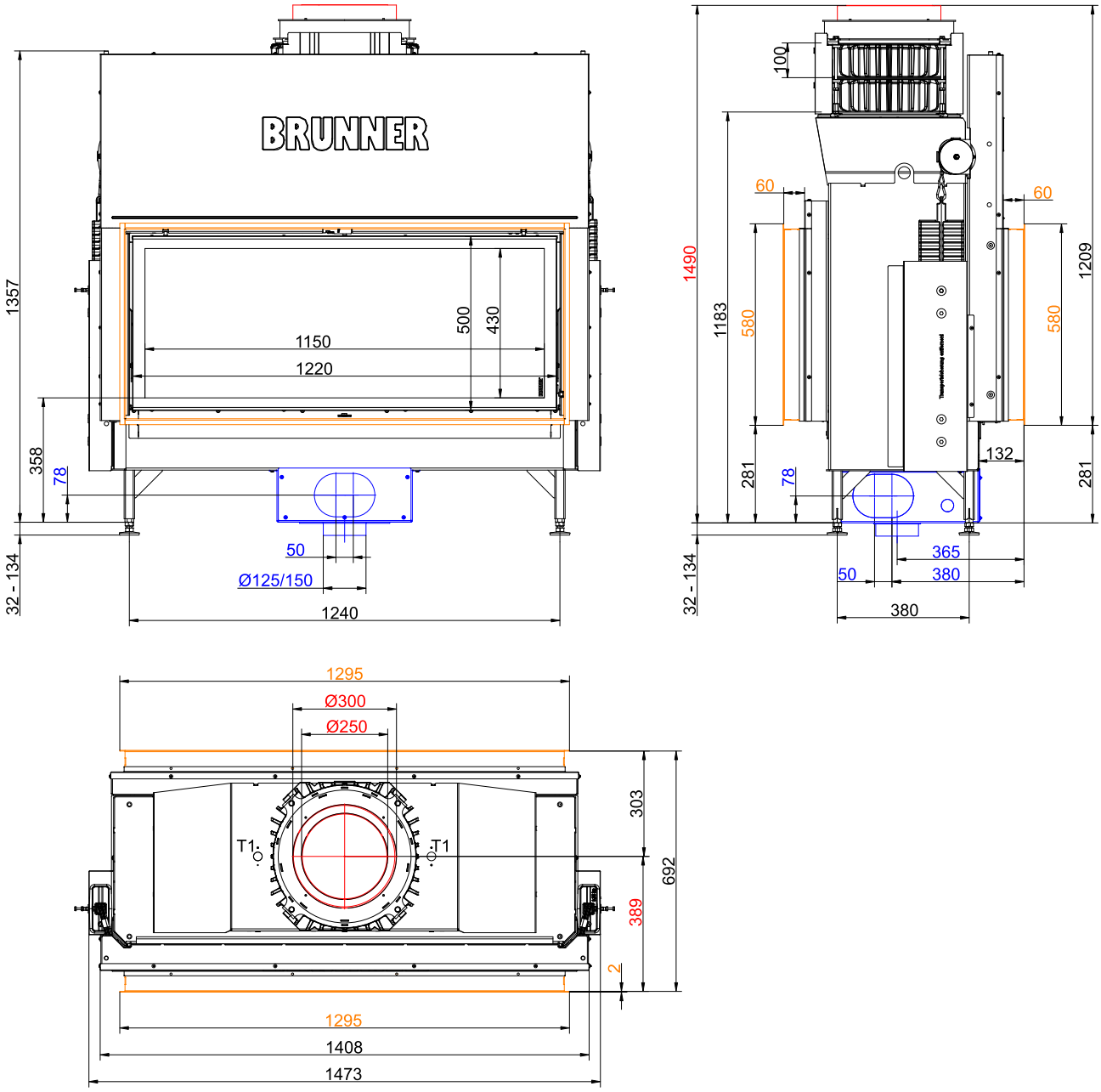

… with door frame and 2x cast iron heat exchanger rings

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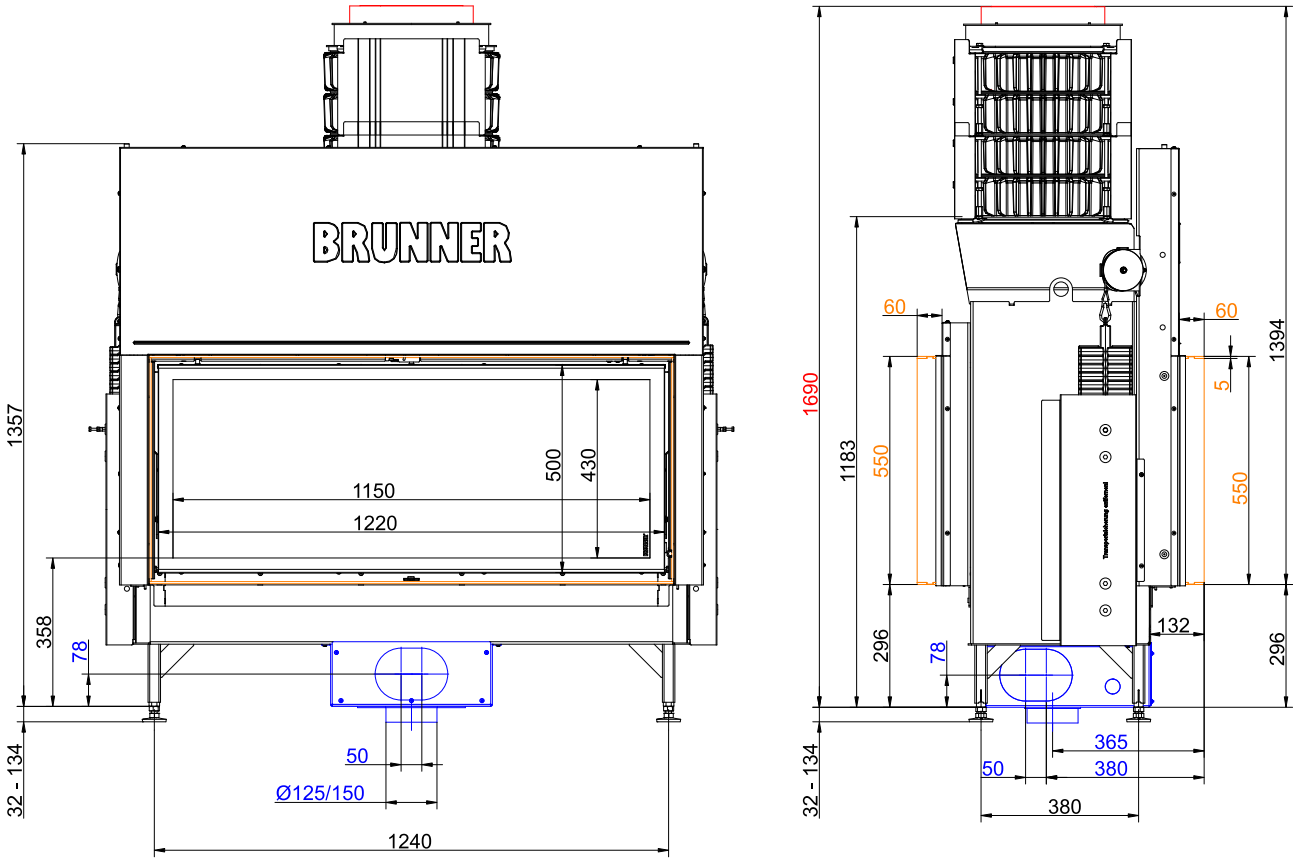

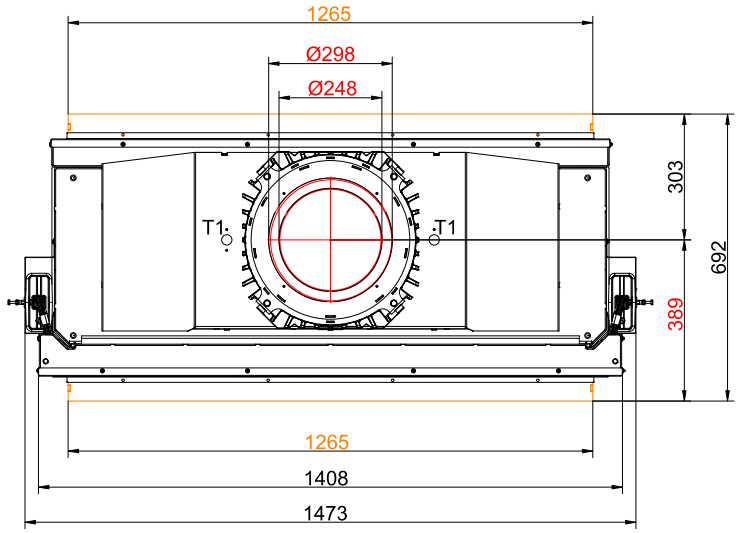

… with mounting frame and 4x cast iron heat exchanger rings

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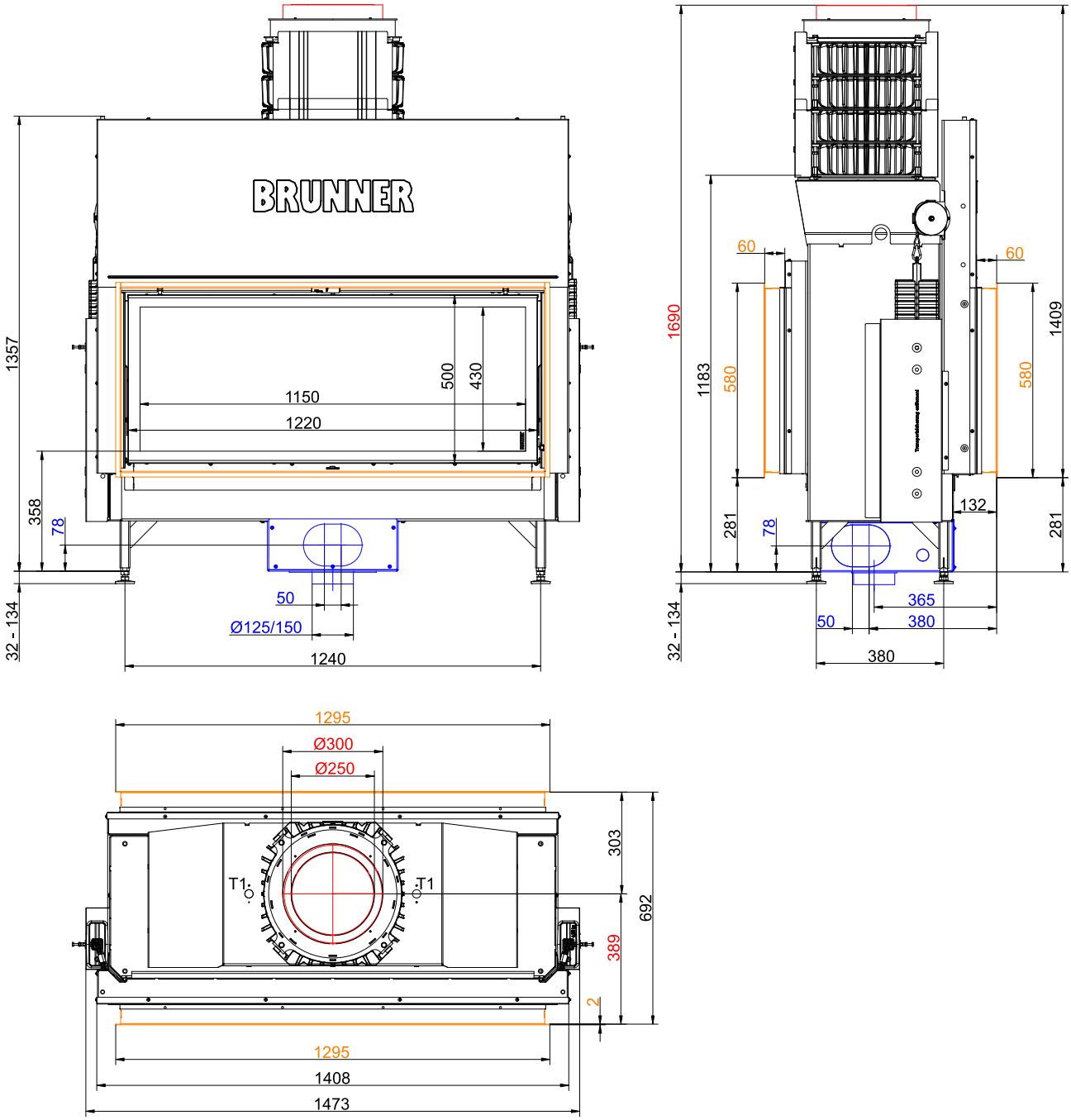
Dimension sheets - BKH Tunnel 50-122



… 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 50-122

Series status		5.0
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
2 x / 4x cast iron heat exchanger rings + dome	°C	190 / 160
Necessary supply pressure	Pa	12
Fuel amount	kg	4.4
Combustion air consumption	m^3/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	cm^2	1000
Recirculation air	cm^2	1000
Minimal oven surface for closed construction type		
Heat dissipating surface	m^2	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 I 5 cm rear active ventilation I wall [3]		
for mounting wall (combustible/non-combustible)	cm	5
Minimum insulation thickness for construction: insulation material I 30 cm closed gap I ceiling [4]		
for ceiling (combustible)	cm	10
Fire protection with adequate insulation material		
Minimum insulation thickness for construction: insulation material I 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_P)	cm	120 / 80
Lateral range of the radiation protection area (D)	cm	50 / 35
Radiation protection area floor (d_F)	cm	50 / 35

Ulrich Brunner GmbH
Zellhuber Ring 17 - 18
D-84307 Eggenfelden
Phone: +49 / (0)87 21 / 7 71-0
info@brunner.de | www.brunner.de

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Radiation protection area side wall (d_L)	cm	50 / 35
Weight		
Fireplace insert + combustion chamber inner lining chamotte/cast iron	kg	334 + 77 / 84
Meets requirement/limit values for:		
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) 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 cm ² (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.

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