FIREPLACE INSERTS FROM BRUNNER

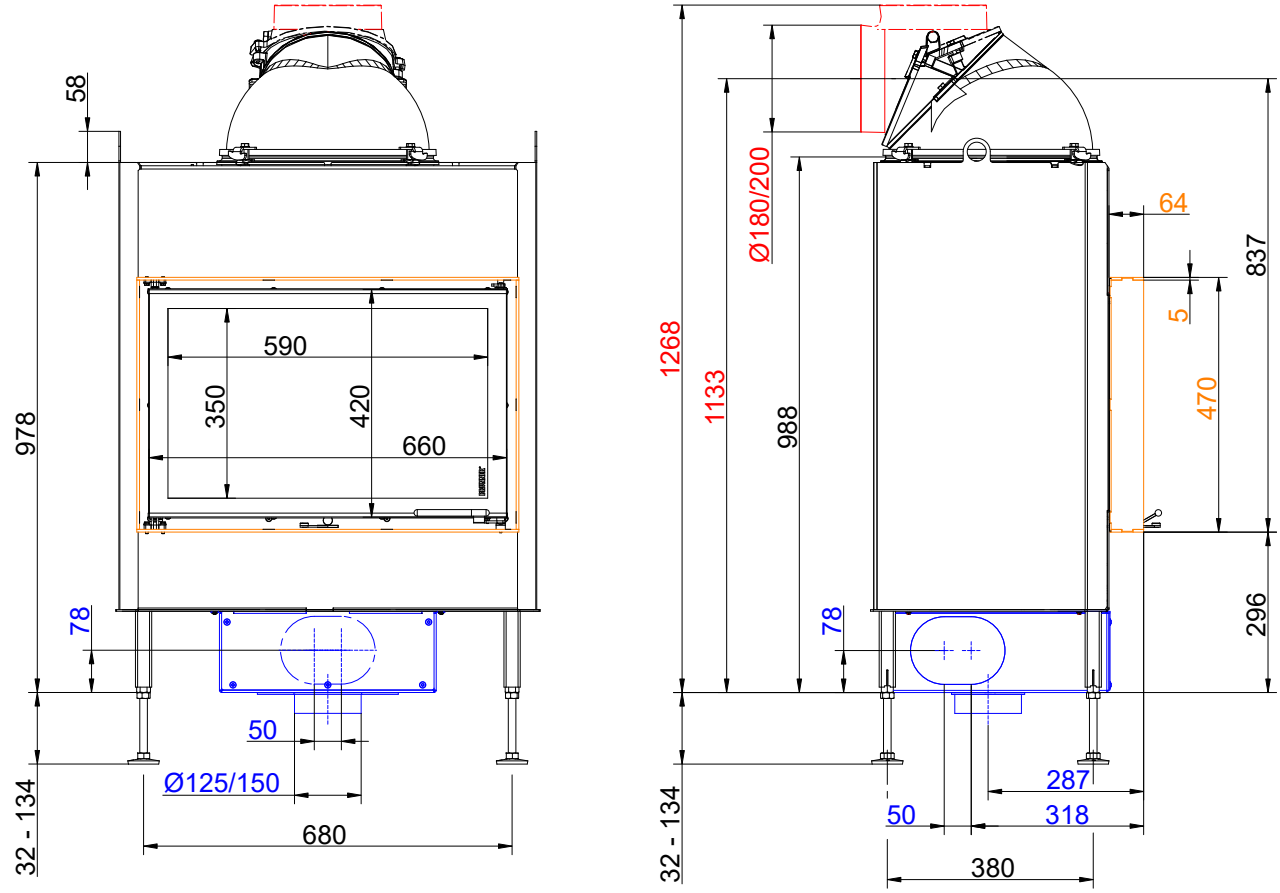


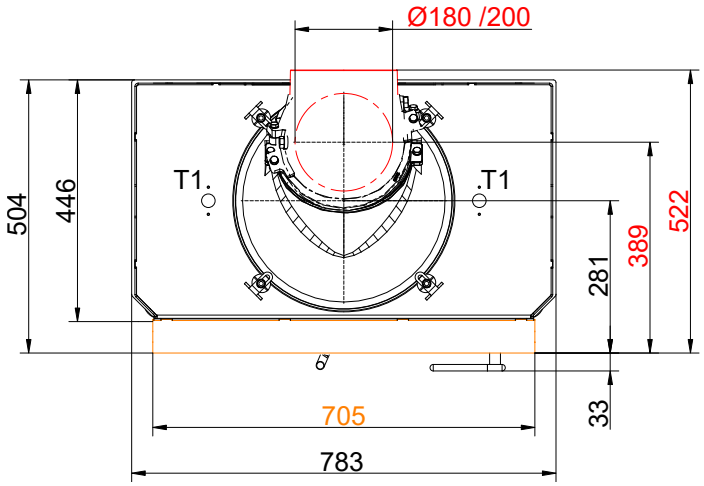
BKH flat 42-66 green

State: 2025-02-27



Dimension sheets - BKH flat 42-66 green

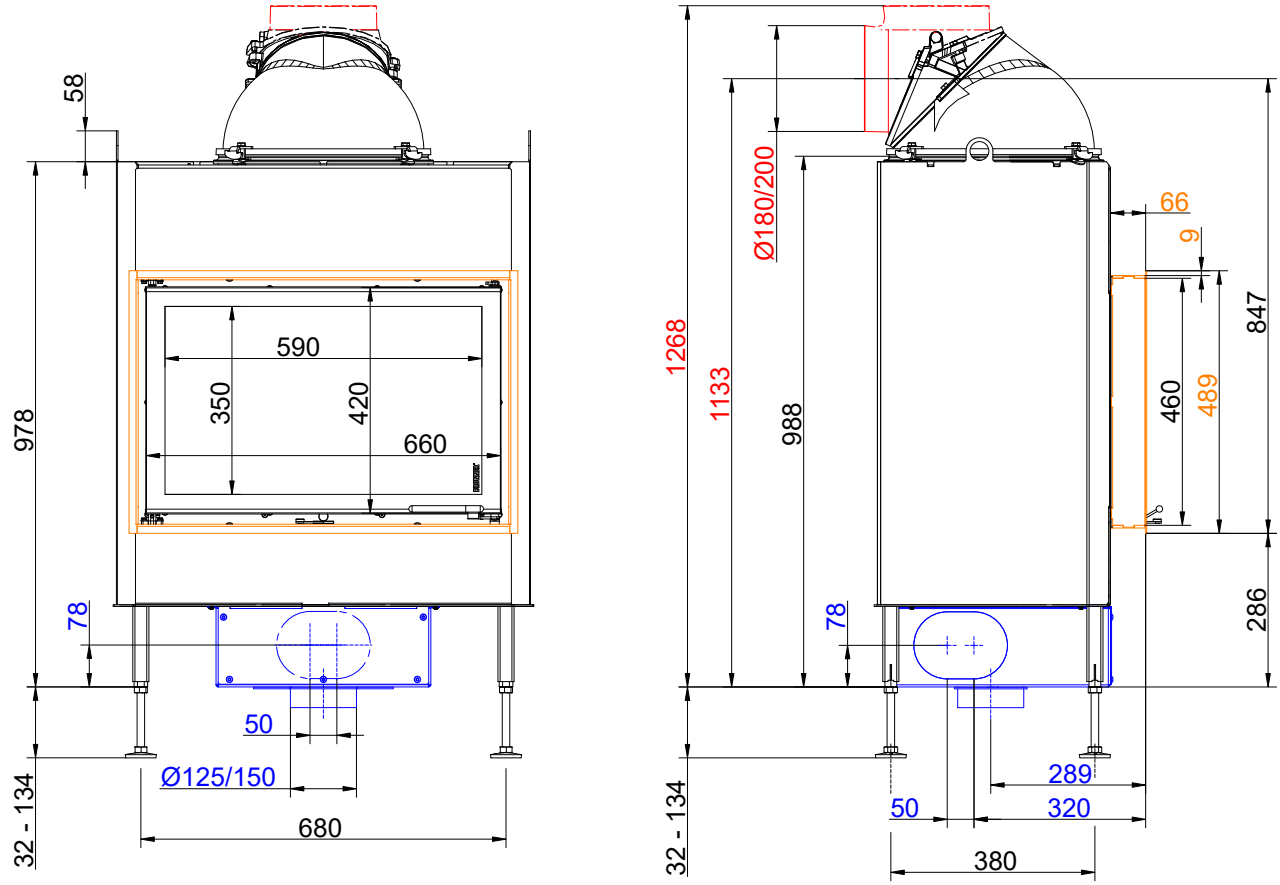


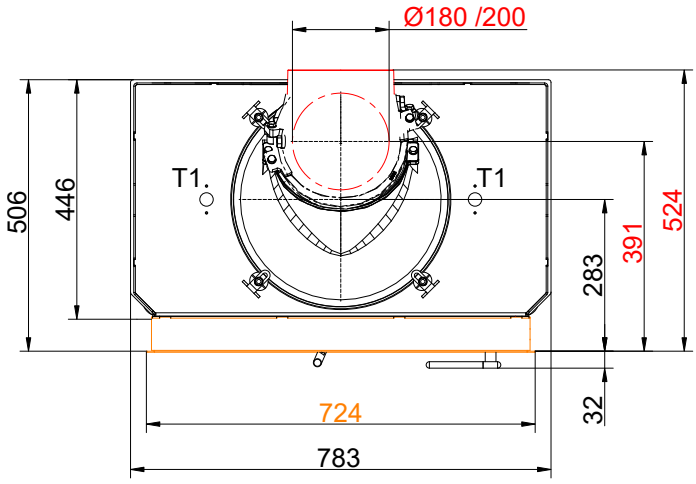


… mounting bracket and cast iron dome (side-opening door, DT)

State: 2025-02-27

Dimension sheets - BKH flat 42-66 green

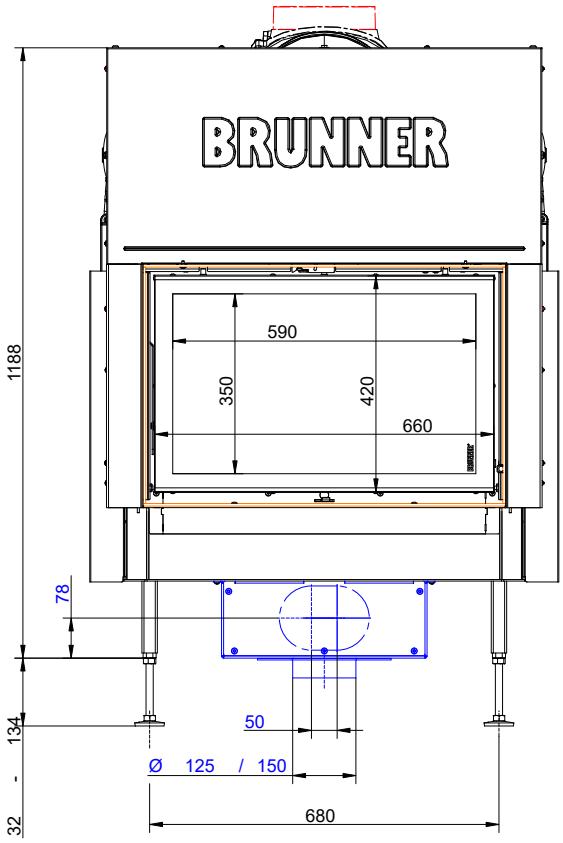


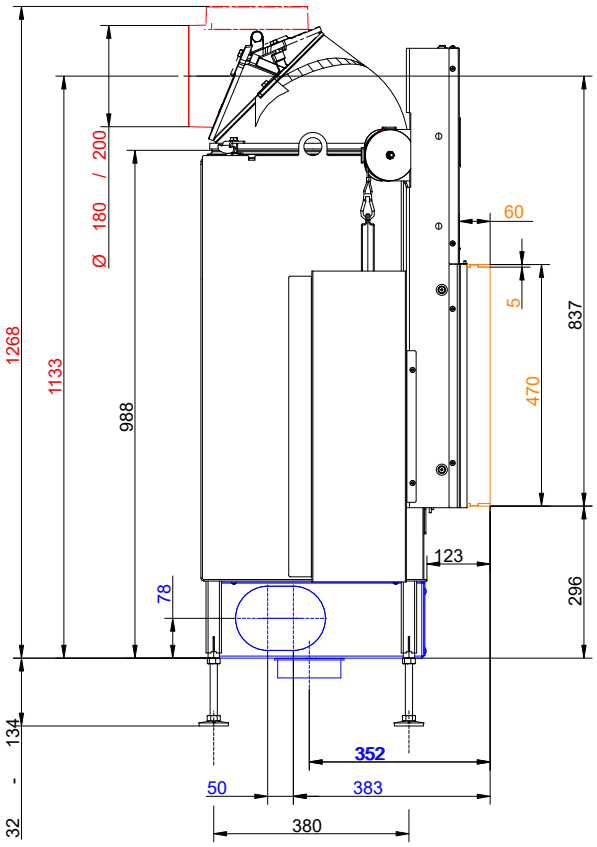


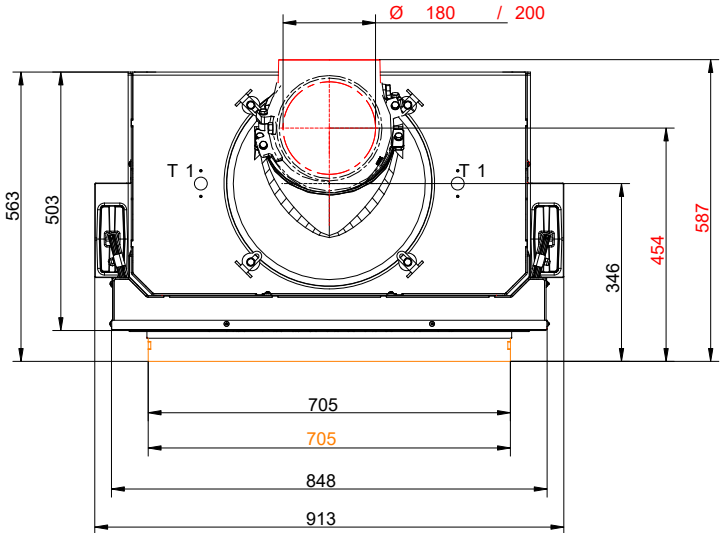
… door frame and cast iron dome (side-opening door, DT)

State: 2025-02-27

Dimension sheets - BKH flat 42-66 green



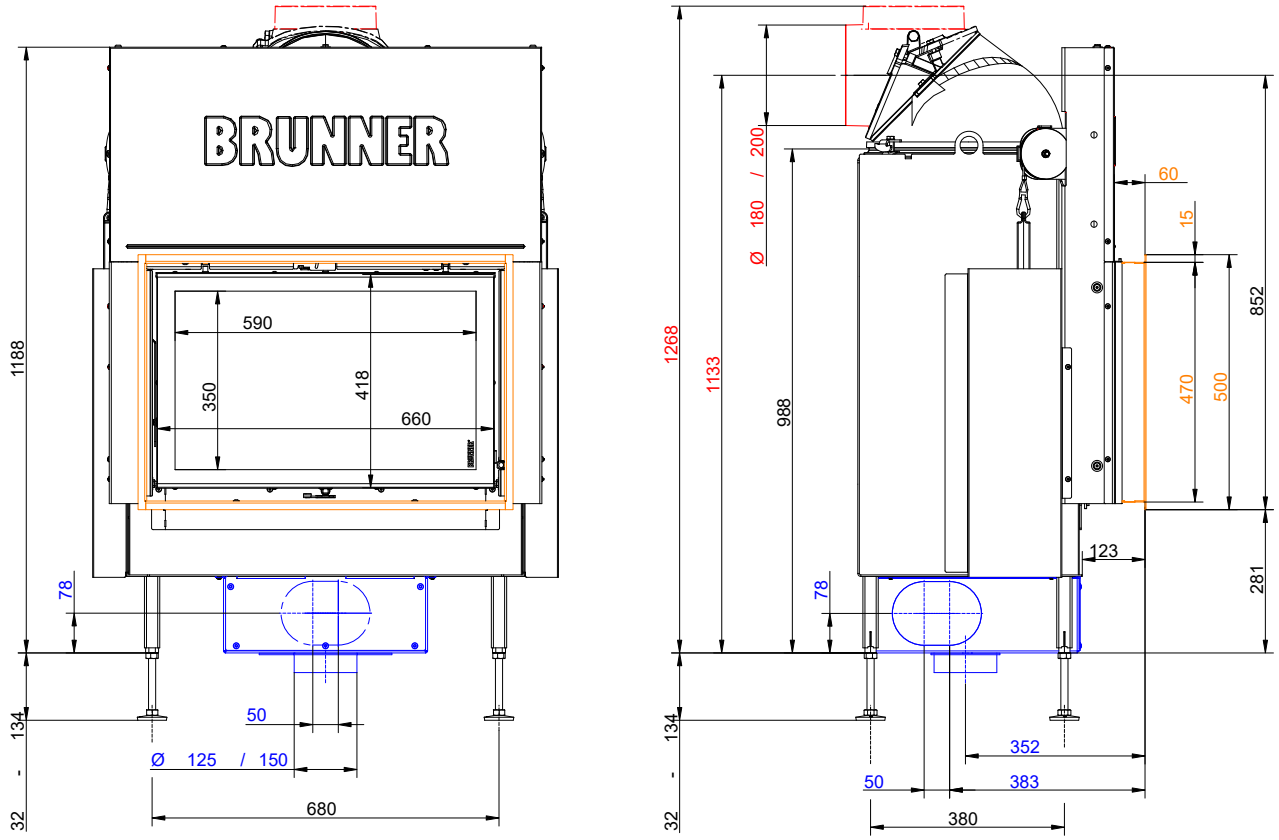


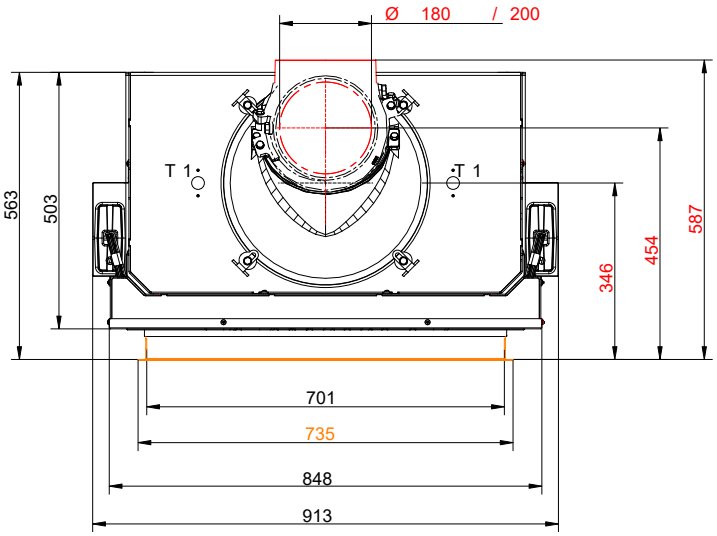


… mounting frame and cast iron dome (lifting door, ST)

State: 2025-02-27

Dimension sheets - BKH flat 42-66 green

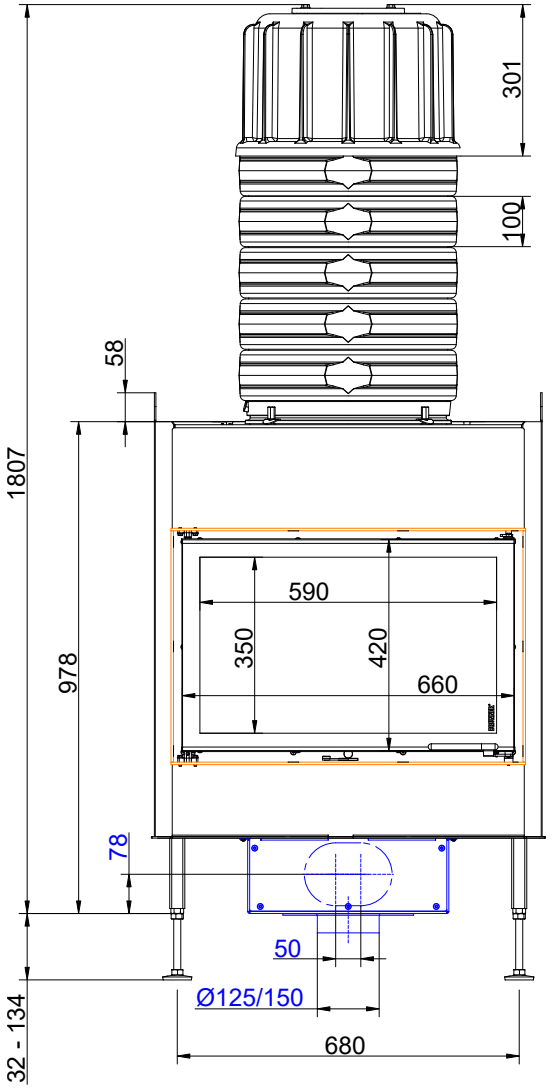


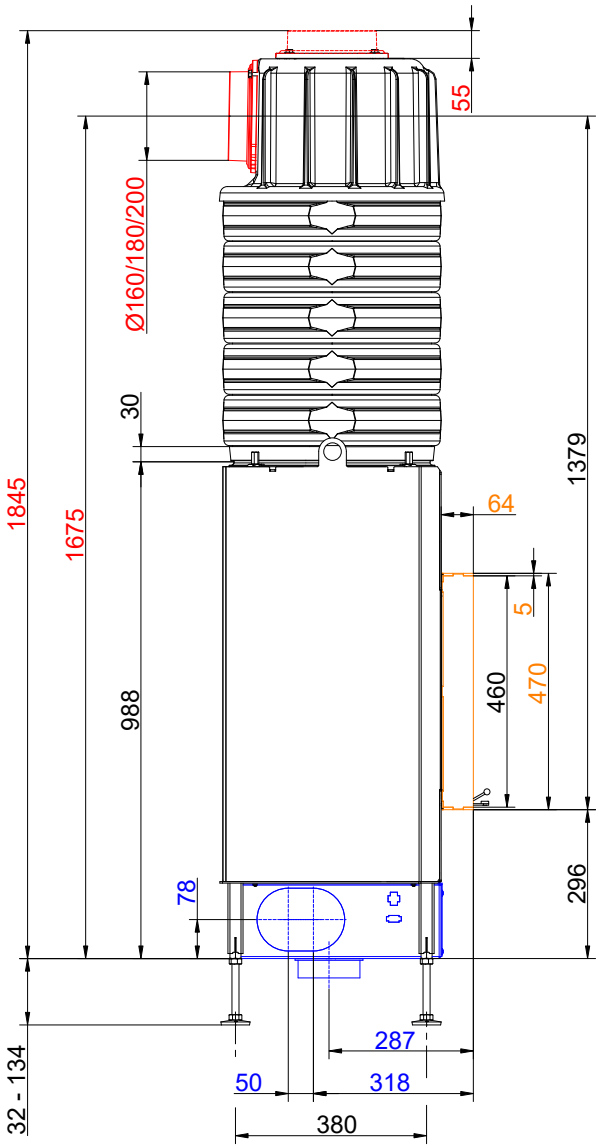


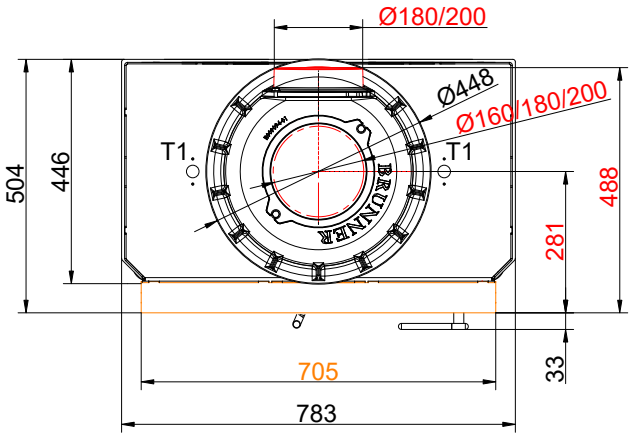
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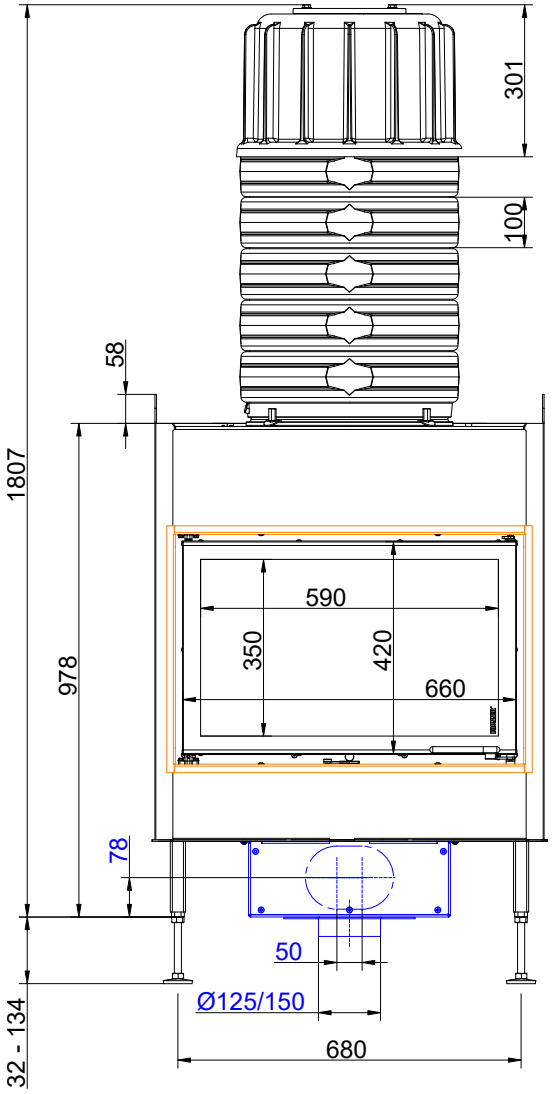


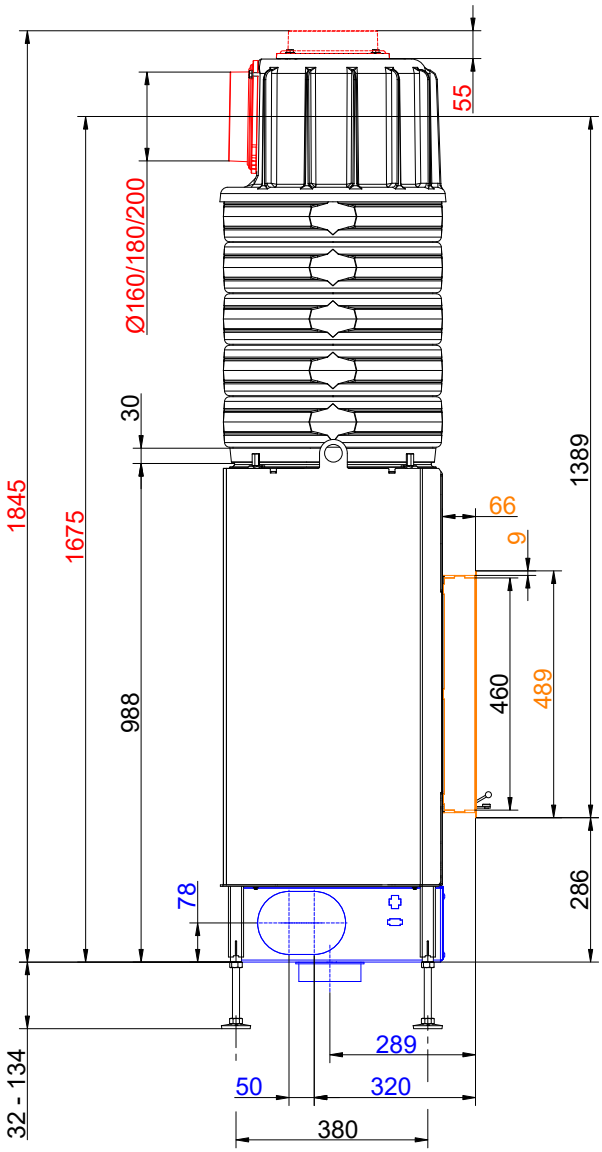


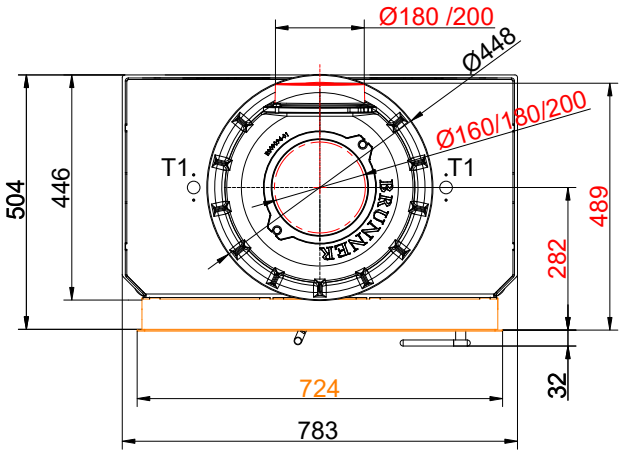
… mounting bracket and MAS (side-opening door, DT)

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Dimension sheets - BKH flat 42-66 green



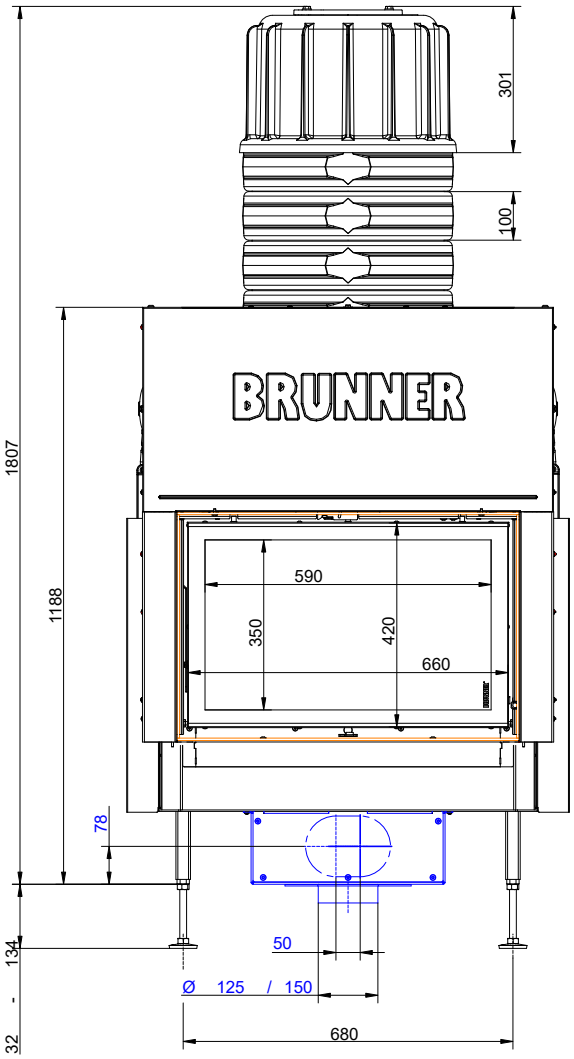


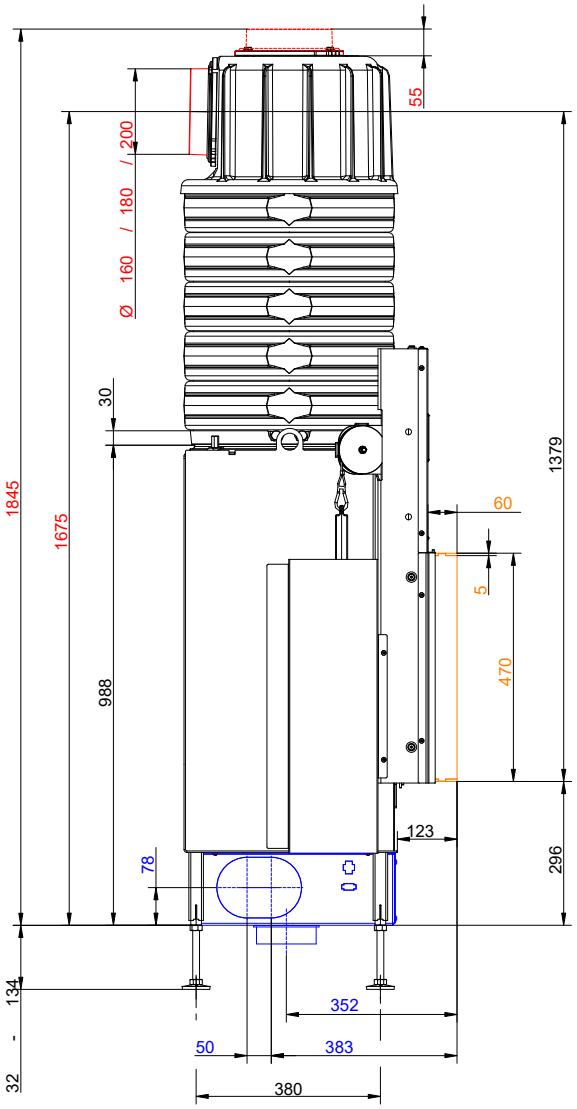


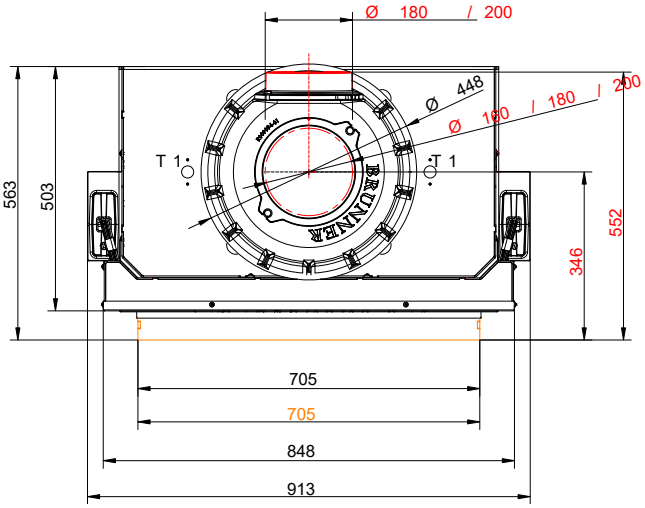
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Dimension sheets - BKH flat 42-66 green



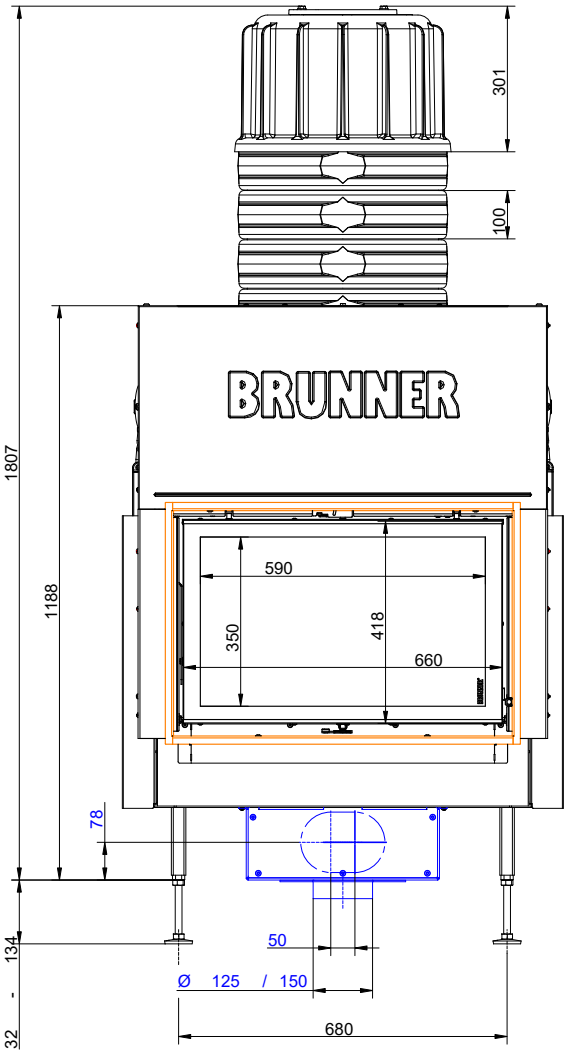


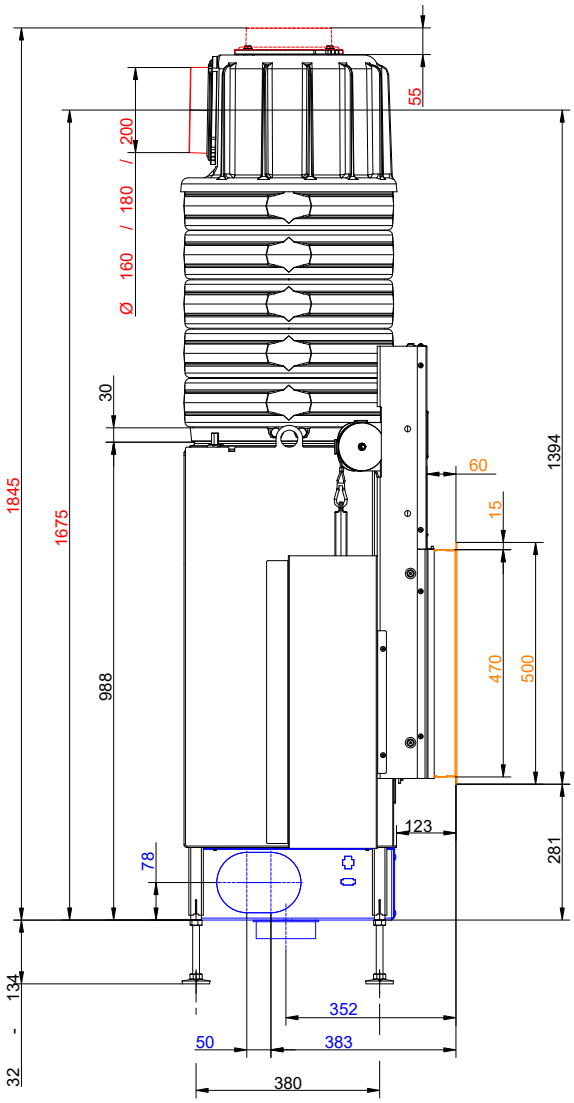


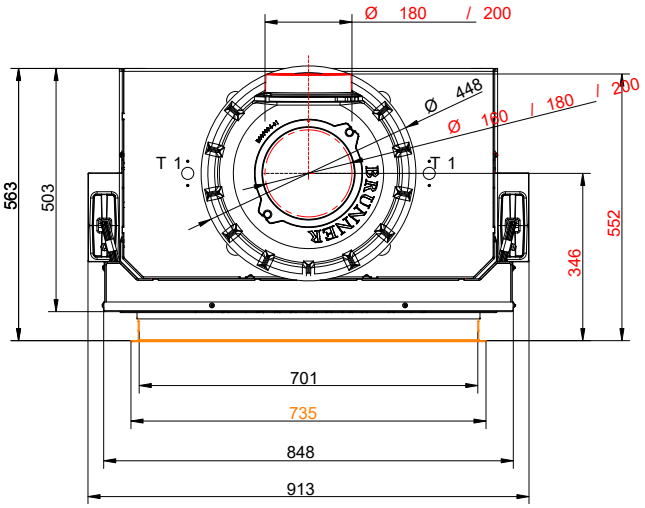
… mounting frame and MAS (lifting door, ST)

State: 2025-02-27

Dimension sheets - BKH flat 42-66 green



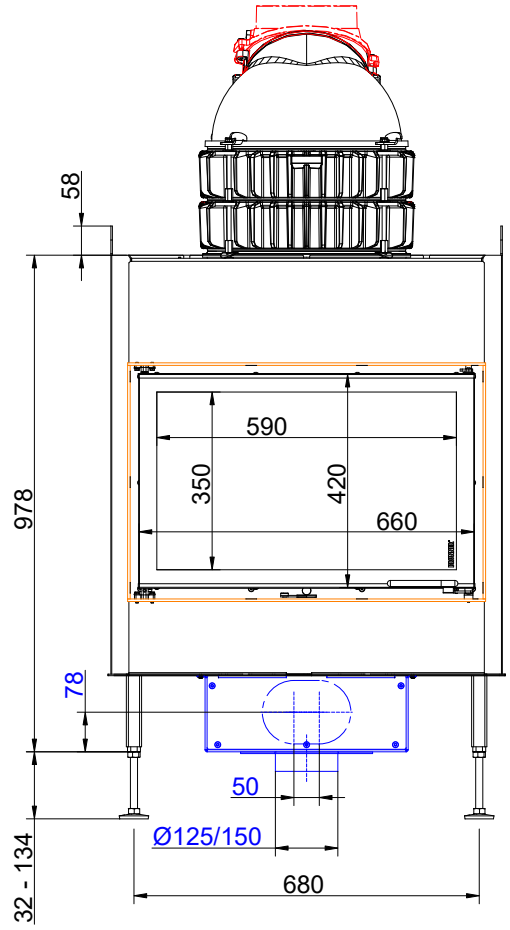


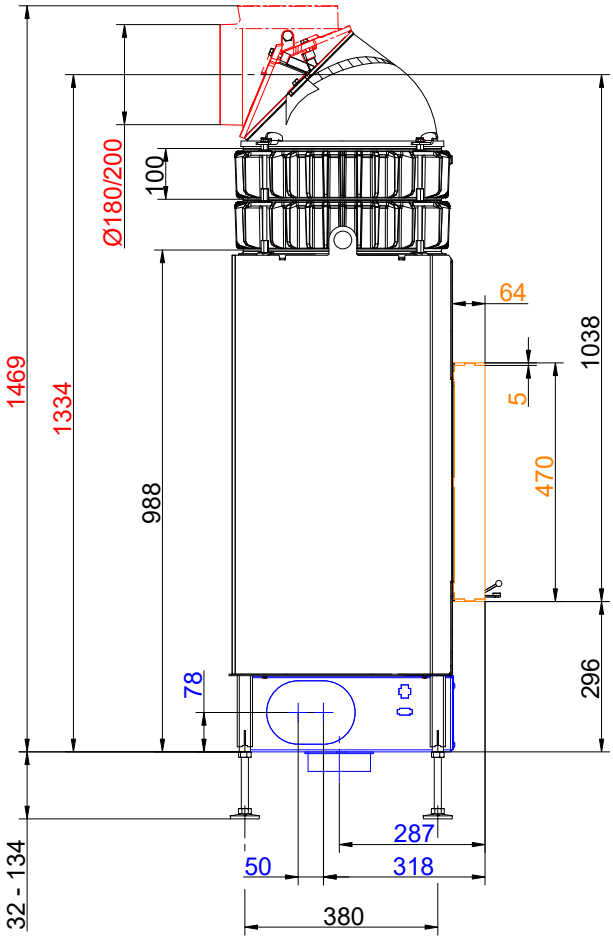


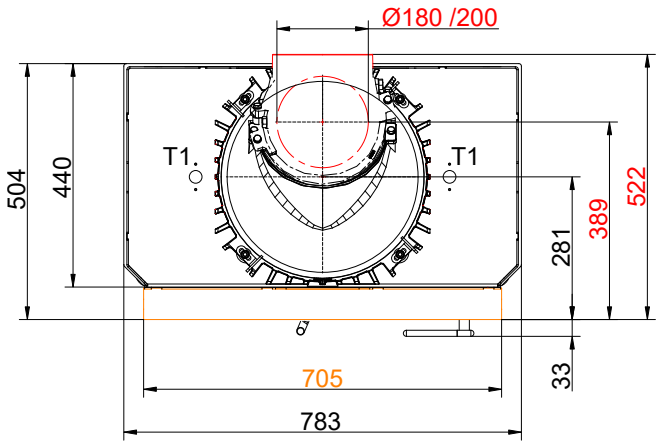
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Dimension sheets - BKH flat 42-66 green



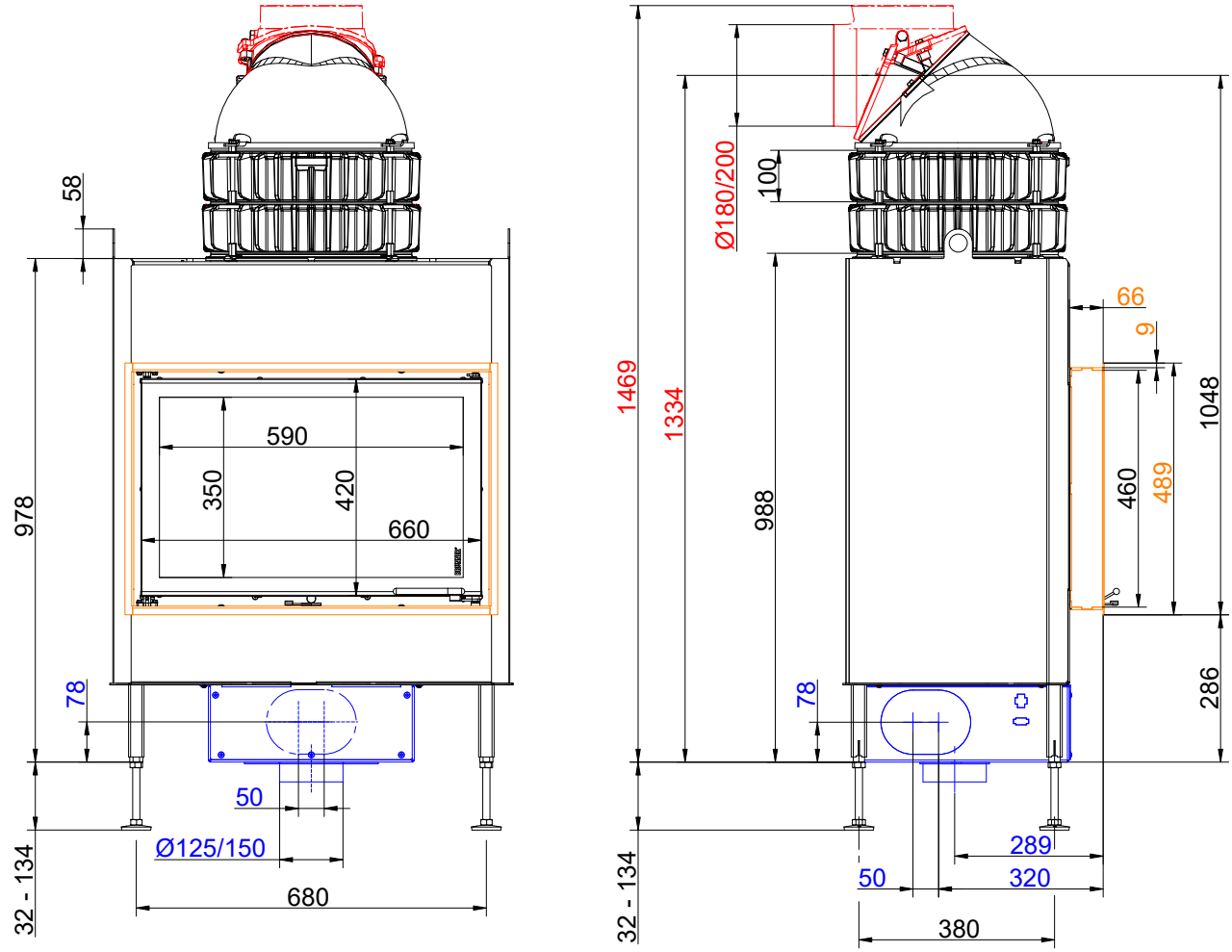


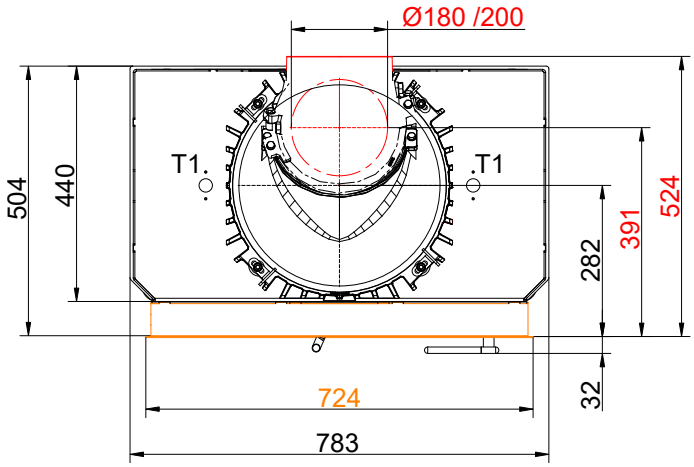


...mounting bracket and cast iron heat exchanger rings + dome (side-opening door, DT)

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Dimension sheets - BKH flat 42-66 green

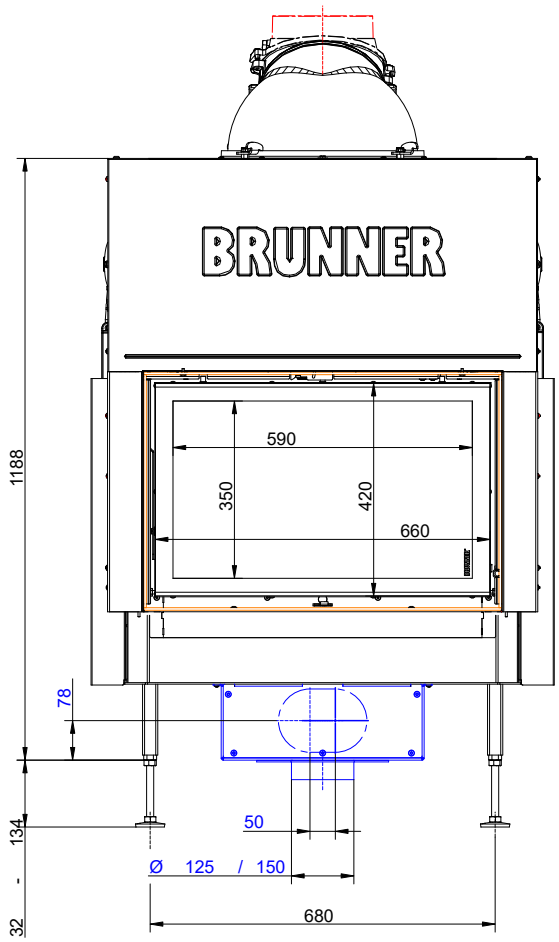


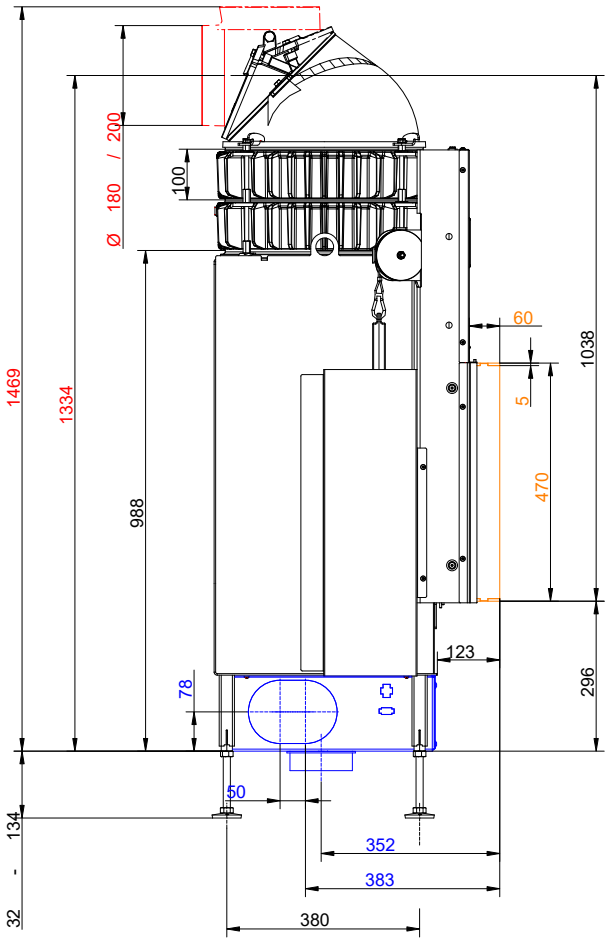


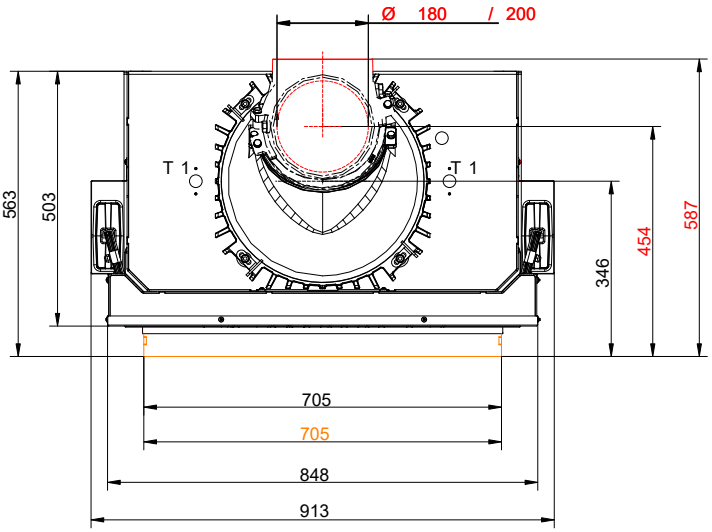
...door frame and cast iron heat exchanger rings + dome (side-opening door, DT)

State: 2025-02-27

Dimension sheets - BKH flat 42-66 green



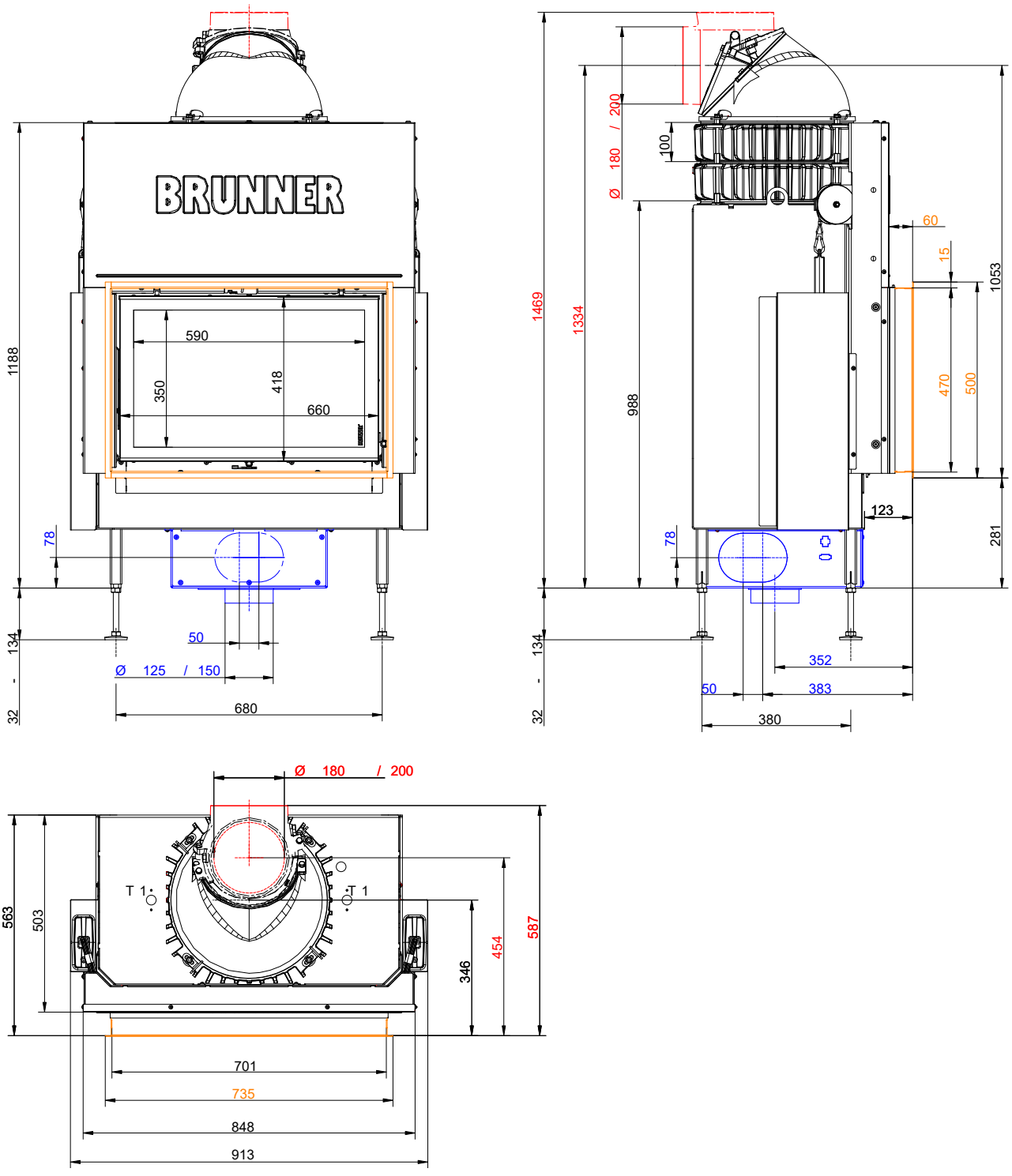




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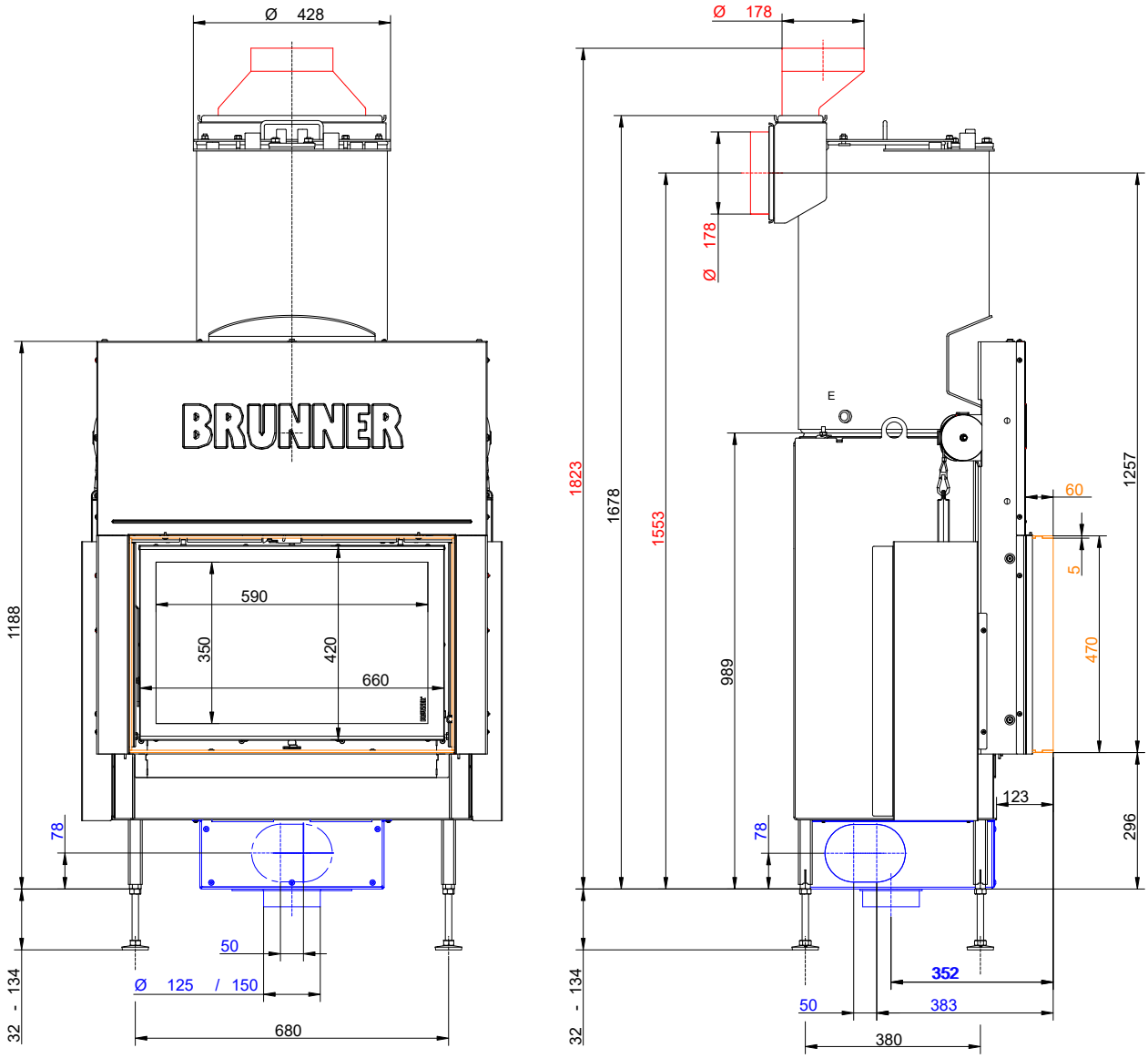
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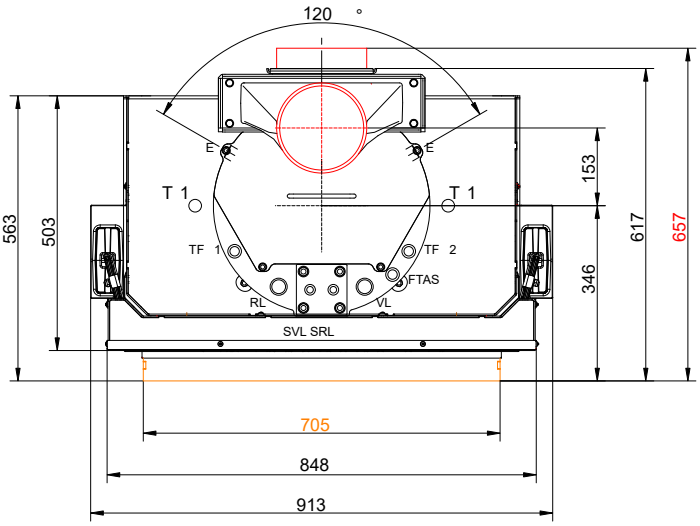


...door frame and cast iron heat exchanger rings + dome (lifting door, ST)

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Dimension sheets - BKH flat 42-66 green





VL	supply 1"ext. th.
RL	return boiler 1"ext.th.
E	drain 1/2"int. th.
SVL	supply cooling pipe outlet ext.th.
SRL	return cooling pipe outlet 1/2"ext.th.
FTAS	socket for thermal safety sensor int.th.
TF	socket 1/2" for sensor int.th.

BKH 42-66 … with mounting frame and Boiler module

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.

State: 2025-02-27

Planning and installation - BKH flat 42-66 green

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	9	-
Fire wood volume	kg/h	2.8	4.0
Combustion performance	kW	11	16
Flue gas mass flow	g/s	10	16
Flue gas temperature after:			
Cast iron dome	°C	220	350
2 x cast iron heat exchanger rings + dome	°C	200	260
5 x accumulation rings incl. MAS casted cover [3]	°C	-	260
2,0 m ceramic accumulator [4]	°C	-	180
1,4 m accumulation stones (MSS) [4]	°C	-	180
Boiler module	°C	208	-
Necessary supply pressure	Pa	12	12
Fuel amount	kg	2.0	4.0
Combustion air consumption	m³/h	30	43
Combustion air connection Ø	mm	125	125
Heat distribution			
Insert / reheating surface	%	30 / 30	30 / 30
glass ceramic / glass ceramic coated (GKB)	%	40 / 30	40 / 30
Cross-section of gratings [5]			
exhaust warm air	cm²	600	600
Recirculation air	cm²	600	600
Minimal oven surface for closed construction type			
Heat dissipating surface	m²	4.5	4.5
Minimal distances of the fireplace			
Heat protection panel for cladding, insulation layer	cm	3	3
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 I 5 cm rear active ventilation I wall [6]			
for mounting wall (combustible/non-combustible)	cm	5	5
Minimum insulation thickness for construction: insulation material I 30 cm closed gap I ceiling [7]			
for ceiling (combustible)	cm	10	10
Fire protection with adequate insulation material			
Minimum insulation thickness for construction: insulation material I mounting wall, ceiling, floor [7]			
with heat protection panel, mounting wall (non-combustible) [8]	cm	6	6
with heat protection panel, mounting wall (combustible) [8]	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

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Subject to technical and assortment changes. Errors excepted.
State: 2025-02-12

Planning and installation - BKH flat 42-66 green

Weight		
Fireplace insert + combustion chamber inner lining chamotte/cast iron	kg	120 (DT) - 166 (ST) + 85 / 101

Meets requirement/limit values for:	
EU / Germany	Ecodesign / 1. BImSchV (Stufe 2)

1) Indications to "Rated power" determined with 2 heat exchanger rings made of cast iron and Ø180 dome.
2) Indications to "Storage operation" for the manual execution of the reheating surface (guide values).
3) Damper flap recommended
4) Standard value or calculated functional proof required.
5) Air cross-sections if the specified nominal heat output is desired as the heat output.
6) 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.
7) 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.
8) Heat protection plate: accessory for BKH flat/tunnel/corner versions; factory-fitted for BKH panoramic fireplaces.

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