

FIREPLACE INSERTS FROM BRUNNER



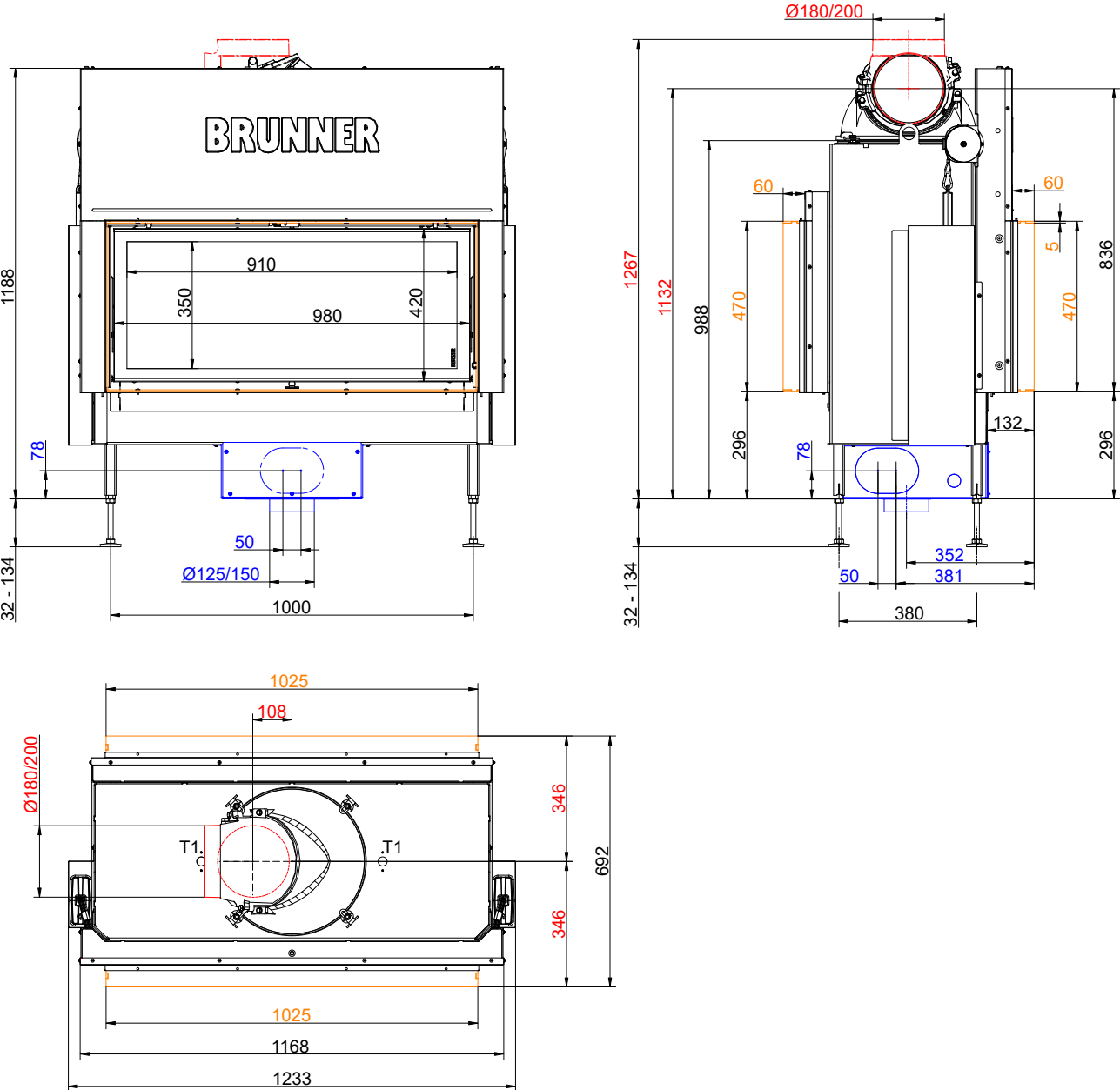
BKH Tunnel 42-98 green

State: 2024-03-15



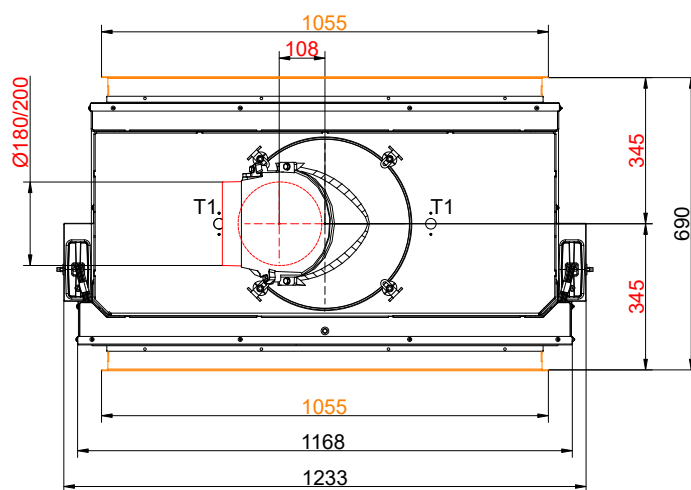
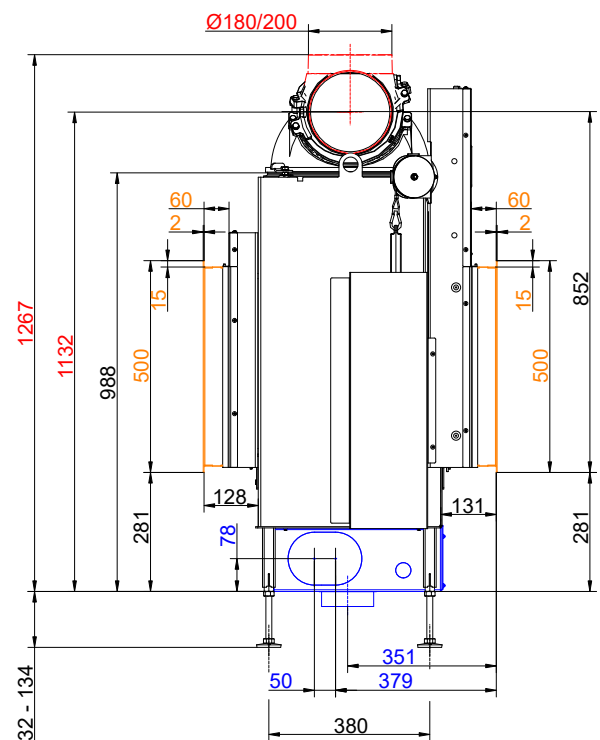
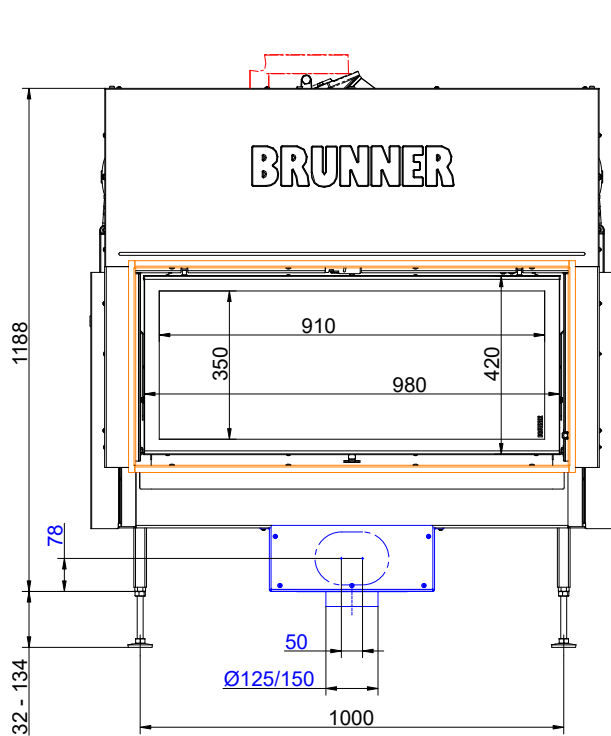
BRUNNER®
made in germany.

Dimension sheets - BKH Tunnel 42-98 green



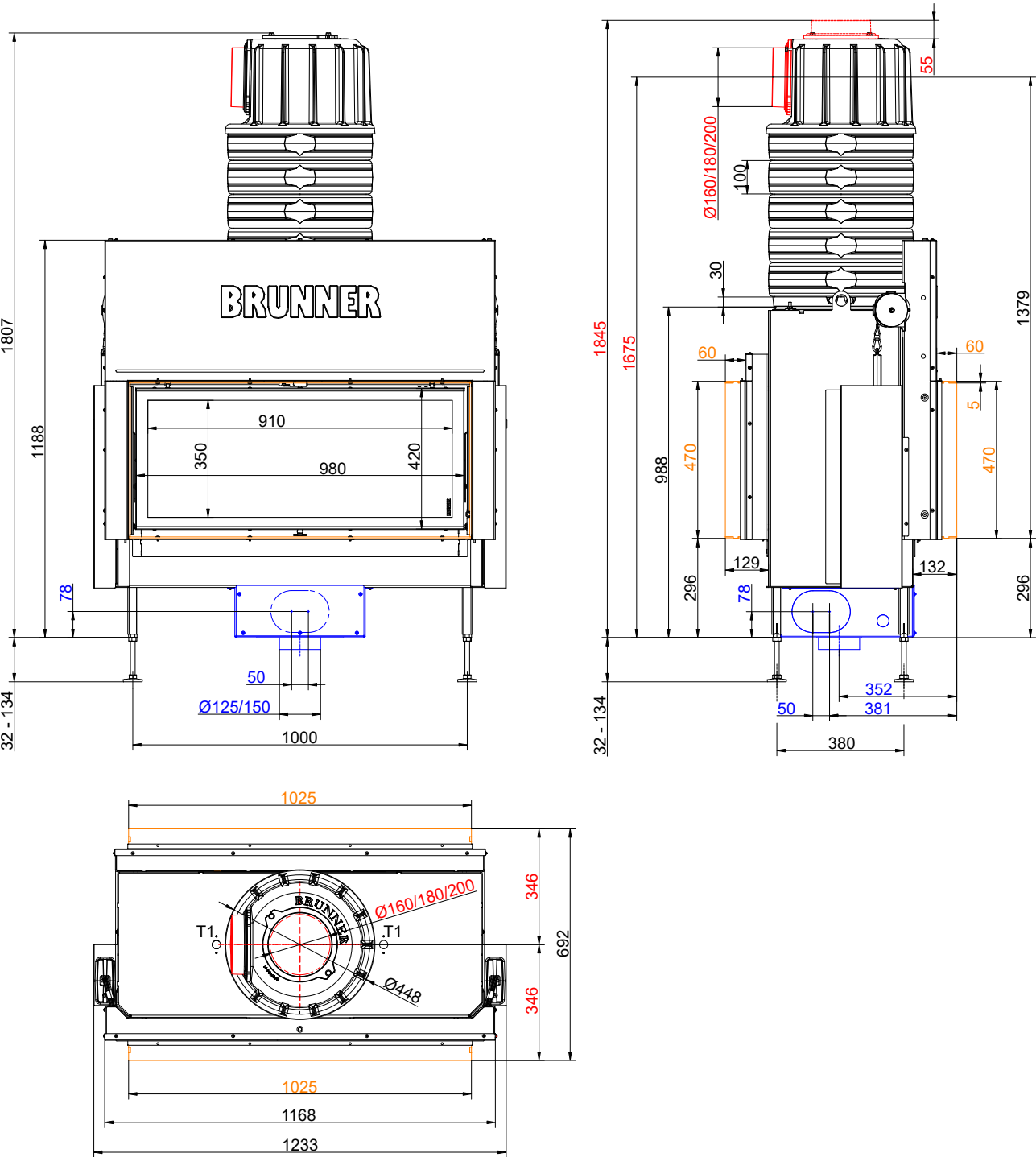
... lifting door/tilting door with mounting frame and cast iron dome

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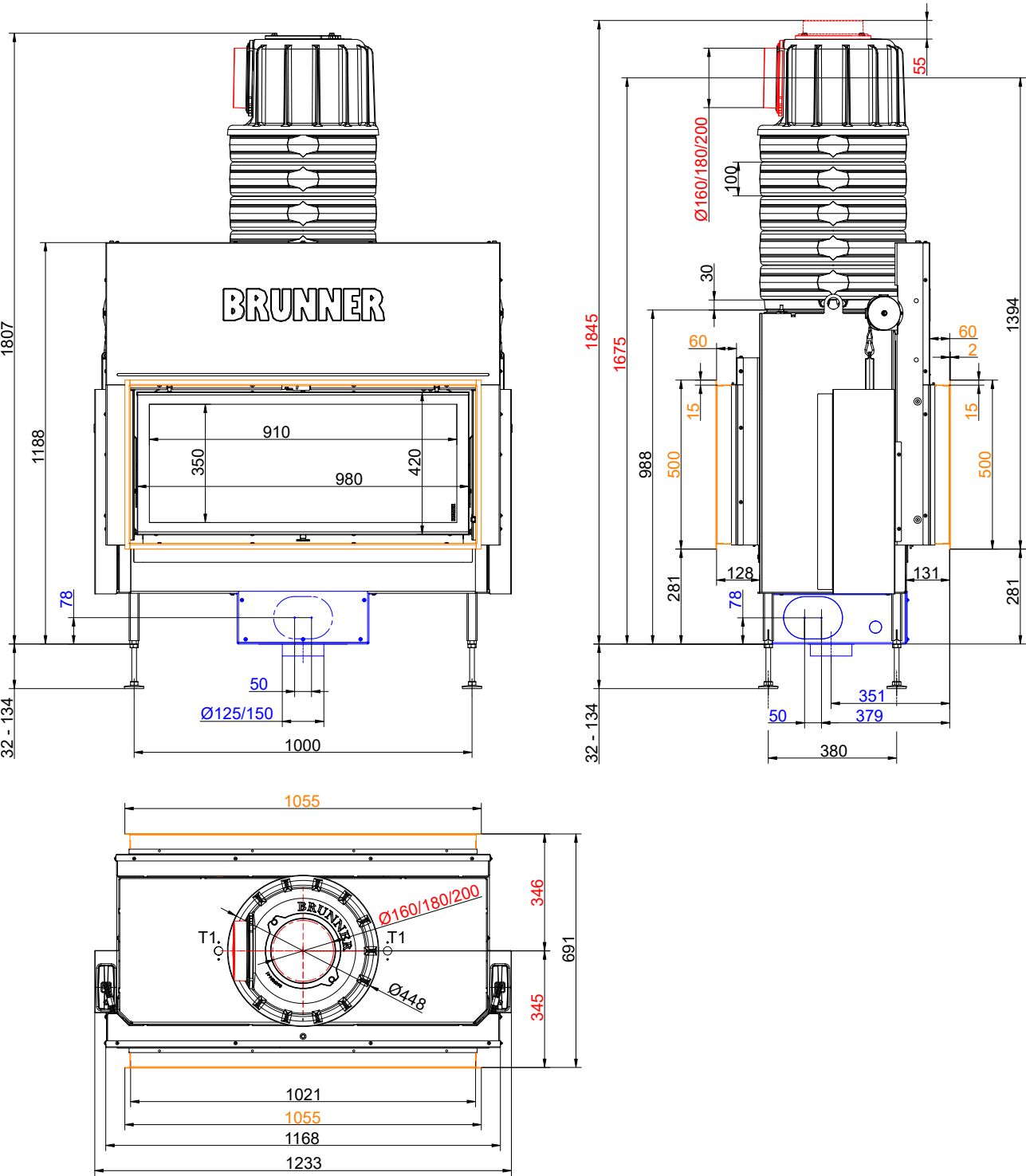
... lifting door/tilting door with door frame and cast iron dome

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... lifting door/tilting door with mounting frame and MAS

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Technical drawing of the BRUNNER 1233 industrial machine, showing front, side, and top views with dimensions.

Front View (Top Left):

- Overall width: 1000
- Overall height: 1188
- Internal width: 980
- Internal height: 350
- Top section width: 910
- Top section height: 420
- Bottom section width: 50
- Bottom section height: 78
- Bottom section diameter: Ø125/150

Side View (Top Right):

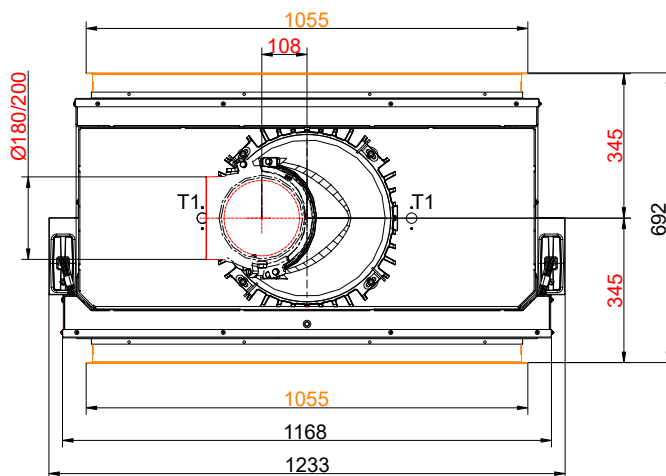
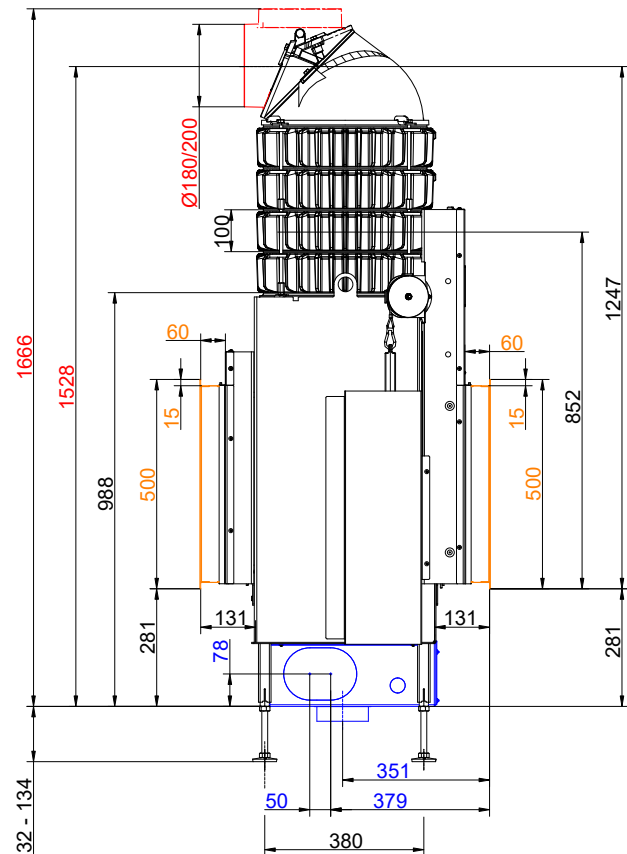
- Overall width: 380
- Overall height: 1666
- Internal width: 352
- Internal height: 1232
- Top section width: 60
- Top section height: 100
- Bottom section width: 50
- Bottom section height: 78
- Bottom section diameter: Ø125/150

Top View (Bottom Left):

- Overall width: 1233
- Overall height: 692
- Internal width: 1025
- Internal height: 1025
- Top section width: 108
- Top section height: 346
- Bottom section width: 1025
- Bottom section height: 346
- Bottom section diameter: Ø180/200

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Technical drawing of the Brunner 1188 refrigerator. The main view shows the front of the unit with the brand name "BRUNNER" prominently displayed. The overall height is 1188 mm. The top view shows the internal dimensions: a width of 910 mm and a depth of 420 mm. The internal width is divided into a 350 mm section on the left and a 980 mm section on the right. The top view also shows a blue outline of the base with a circular cutout and a dimension of 50 mm. The base is mounted on four legs, with a total width of 1000 mm and a height of 32 - 134 mm. A red box highlights the top right corner of the unit.



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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	11	-
Fire wood volume	kg/h	3.3	4.5
Combustion performance	kW	13.0	22
Flue gas mass flow	g/s	13.0	19
Flue gas temperature after:			
Cast iron dome	°C	250	350
4 x cast iron heat exchanger rings + dome	°C	220	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
Necessary supply pressure	Pa	12	12
Fuel amount	kg	2.5	5.0
Combustion air consumption	m³/h	32	48
Combustion air connection Ø	mm	125	125
Heat distribution			
Insert / reheating surface	%	20 / 30	20 / 30
glass ceramic / glass ceramic coated (GKB)	%	50 / 40	50 / 40
Cross-section of gratings ⁵⁾			
exhaust warm air	cm²	800	800
Recirculation air	cm²	800	800
Minimal oven surface for closed construction type			
Heat dissipating surface	m²	5.5	5.5
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
Minimum insulation thicknesses of substitute insulation material / reference insulation material + facing wall ⁶⁾			
with heat protection panel for mounting wall (non-combustible) ⁷⁾	cm	6 / 8	6 / 8
with heat protection panel for mounting wall (combustible) ⁷⁾	cm	12 / 13 + 10	12 / 13 + 10
to mounting wall (non-combustible)	cm	8 / 10	8 / 10
to mounting wall (combustible)	cm	18 / 20 + 10	18 / 20 + 10
to the ceiling (non-combustible)	cm	8 / 10	8 / 10
to the ceiling (combustible)	cm	22 / 25 + 10	22 / 25 + 10
to the floor (non-combustible)	cm	0 / 0	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	224 + 77 / 87	
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) 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.

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Subject to technical and assortment changes. Errors excepted.

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- 6) Fire safety: values determined with air cross-sections evaluated by safety testing; stove cladding is heat emitting. Insulation material data with calcium silicate (Promasil 950KS)/10 cm wall lining + reference insulation material (mineral wool according to AGI Q 132). The specifications for walls/ceilings that do not require protection and are non-combustible correspond to the specifications of TROL (Germany).
- 7) Heat protection panels (accessories) only available for selected fireplace inserts. For assembly and design of the heat protection panel see assembly instructions. Distance between mounted heat protection panel and fireplace insert: rear wall 2 cm, side wall 3 cm.