

FIREPLACE INSERTS FROM BRUNNER



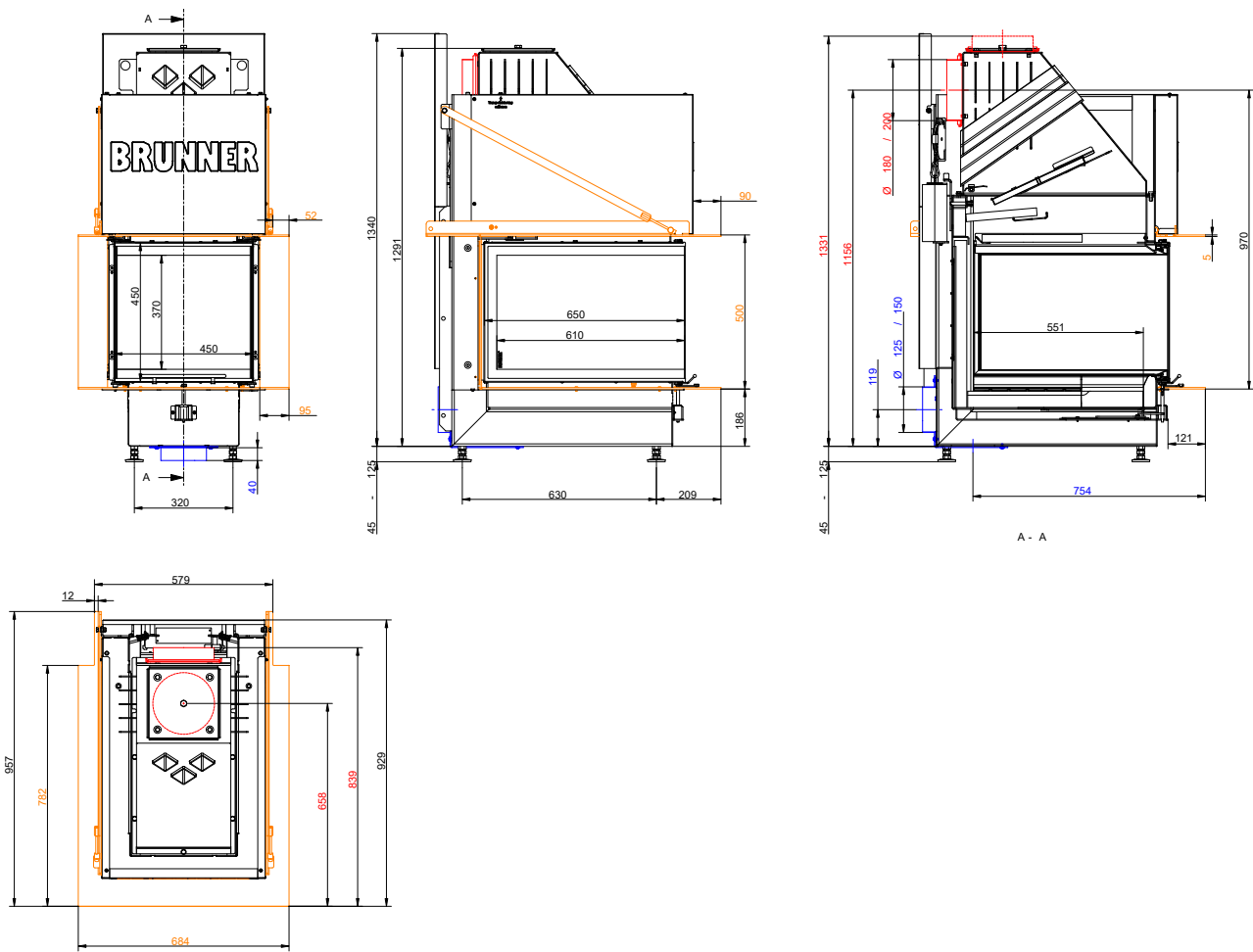
BKH Panorama 45-65-45-65 green

State: 2024-07-11

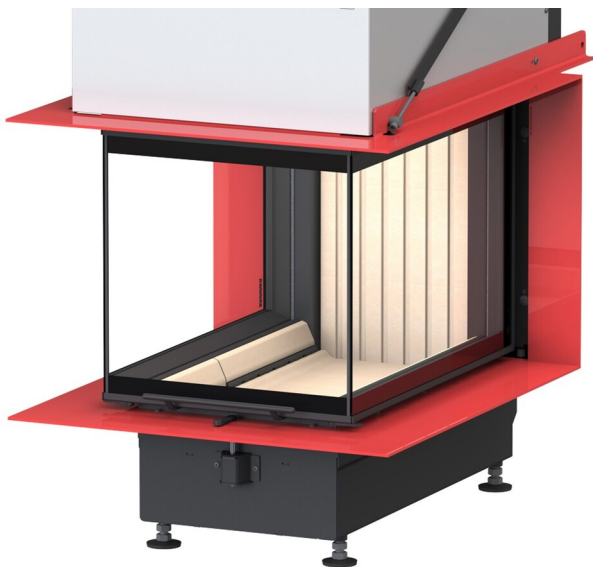


BRUNNER®
made in germany.

Dimension sheets - BKH Panorama 45-65-45-65 green

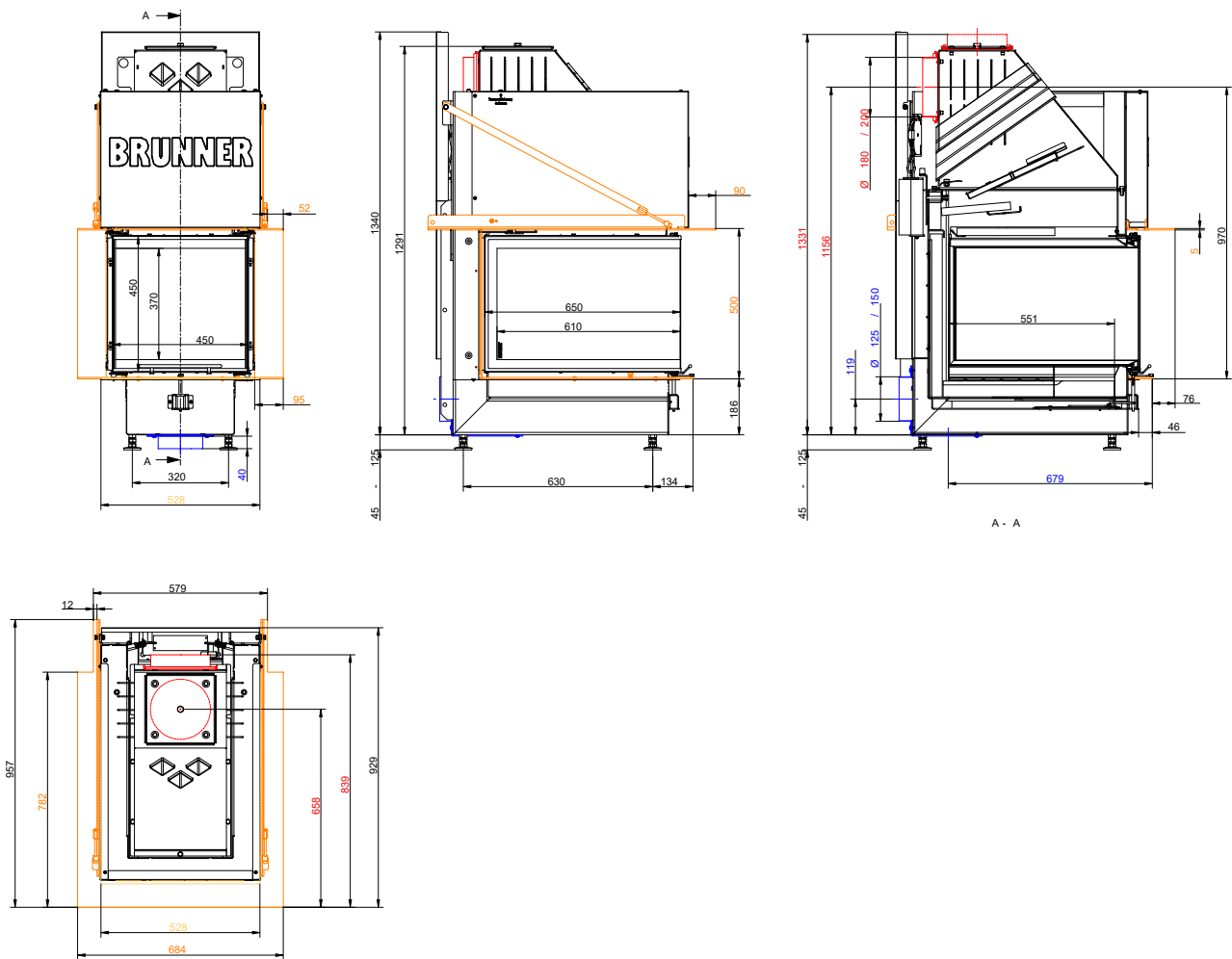


... with steel smoke hood and Fire table



... Detail wide frame (schematic)

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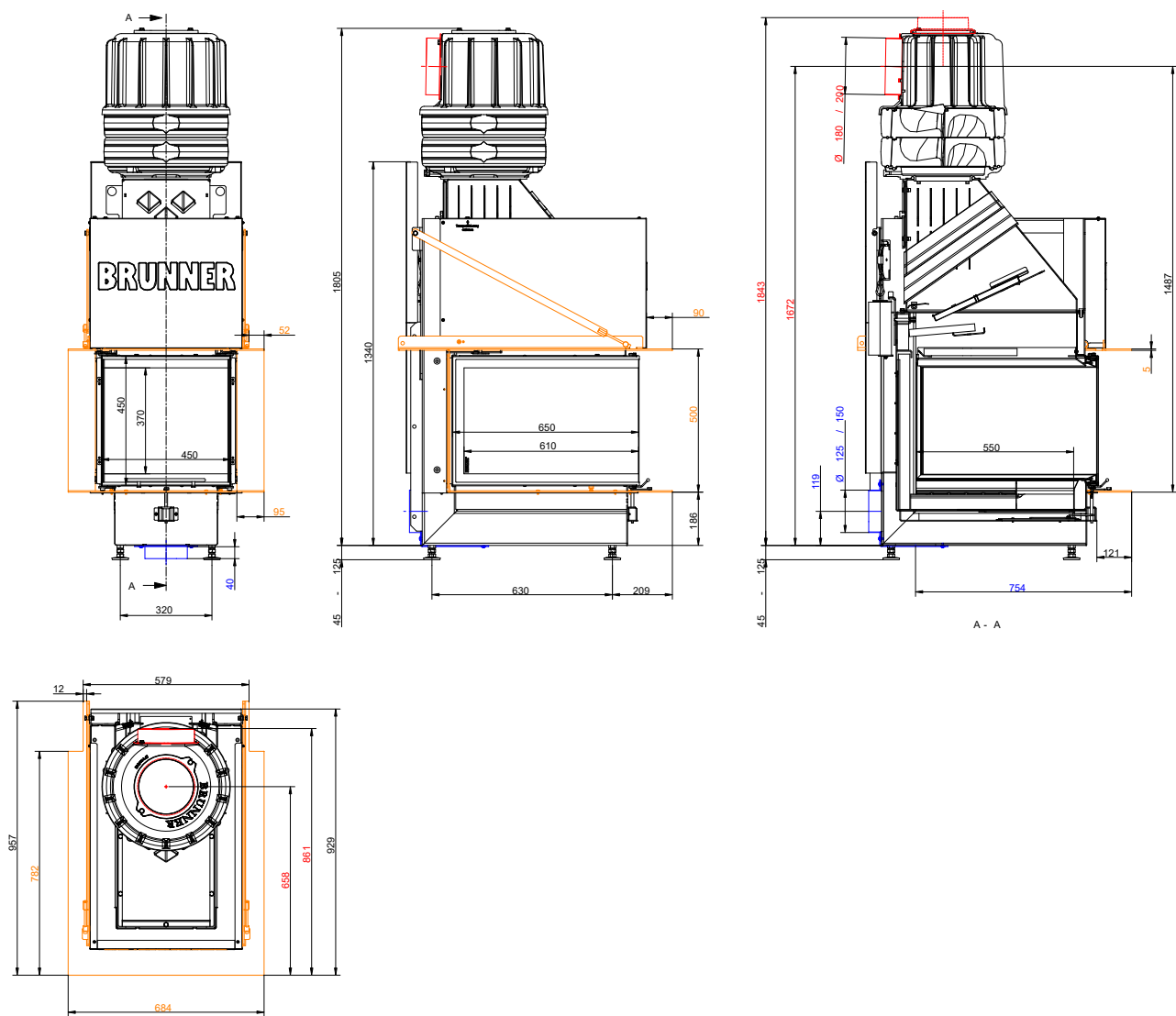


... with steel smoke hood and Mounting bracket

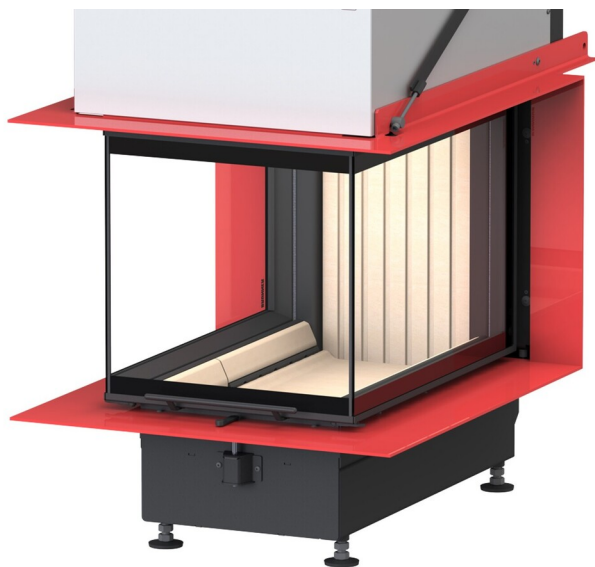


... Detail of narrow frame (schematic)

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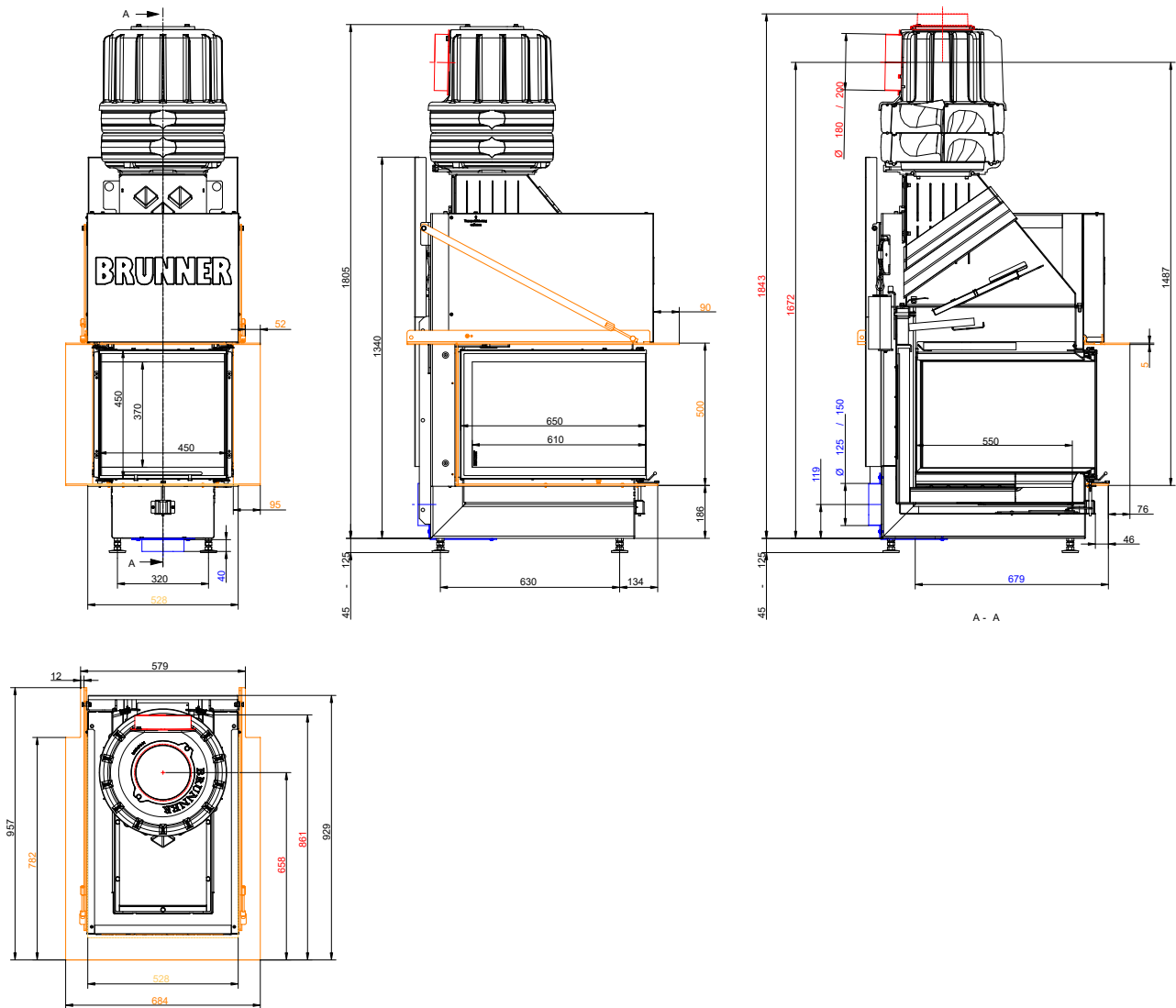


... with steel smoke hood + MAS and Fire table



... Detail wide frame (schematic)

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... with steel smoke hood + MAS and Mounting bracket



... Detail of narrow frame (schematic)

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 Panorama 45-65-45-65 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	10	-
Fire wood volume	kg/h	3.2	4.0
Combustion performance	kW	12	17
Flue gas mass flow	g/s	12	17
Flue gas temperature after:			
steel smoke hood	°C	210	230
2 x accumulation rings incl. MAS casted cover ³⁾	°C	-	180
Necessary supply pressure	Pa	12	12
Fuel amount	kg	2.5	4.0
Combustion air consumption	m³/h	32	42
Combustion air connection Ø	mm	125	125
Heat distribution			
Insert / reheating surface	%	25 / 30	25 / 30
glass ceramic / glass ceramic coated (GKB)	%	45 / 35	45 / 35
Cross-section of gratings ⁴⁾			
exhaust warm air	cm²	700	700
Recirculation air	cm²	700	700
Minimal oven surface for closed construction type			
Heat dissipating surface	m²	4.0	4.0
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
Minimum insulation thicknesses of substitute insulation material / reference insulation material + facing wall ⁵⁾			
with heat protection panel for mounting wall (non-combustible) ⁶⁾	cm	6 / 8	6 / 8
with heat protection panel for mounting wall (combustible) ⁶⁾	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	245 + 35 / 38	
Meets requirement/limit values for:			
EU / Germany		Ecodesign / 1. BImSchV (Stufe 2)	

1) Data on "rated power" determined with a cast iron dome Ø180.

2) Information on "Storage operation" for the version with top-mount accumulator.

3) Damper flap recommended

4) Air cross-sections if the specified nominal heat output is desired as the heat output.

5) 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).

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Subject to technical and assortment changes. Errors excepted.

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- 6) 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.