FIREPLACE INSERTS FROM BRUNNER

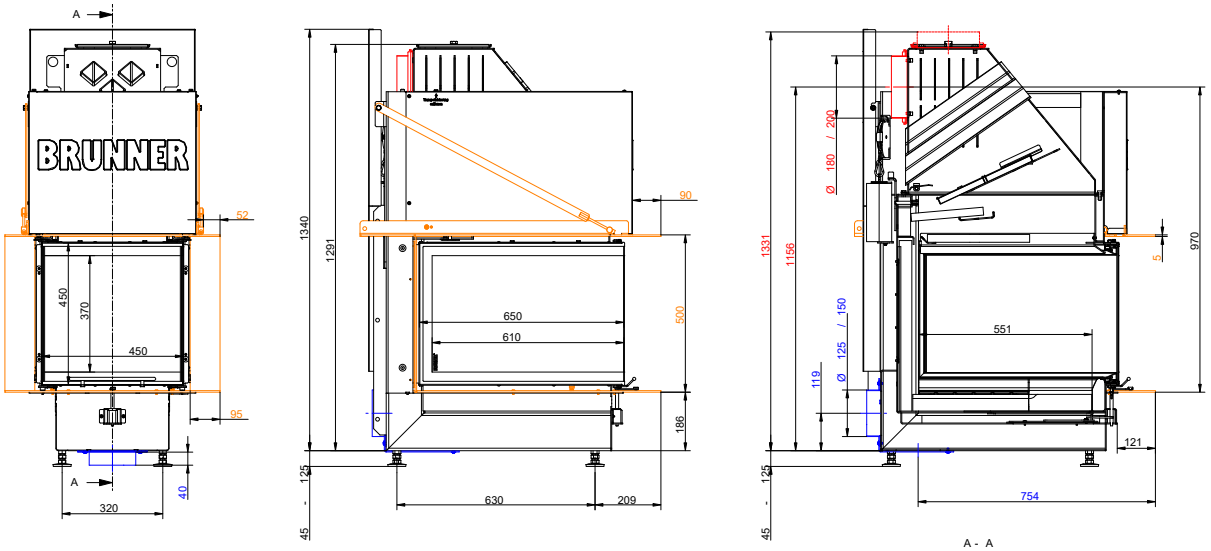


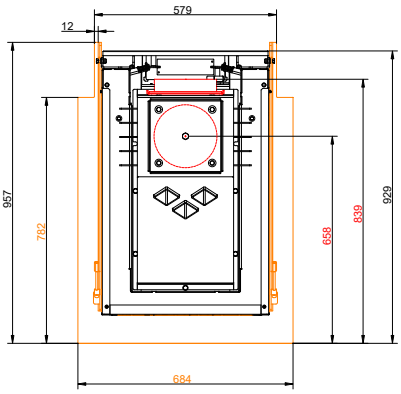
BKH Panorama
45-65-45-65 green

State: 2025-04-09



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





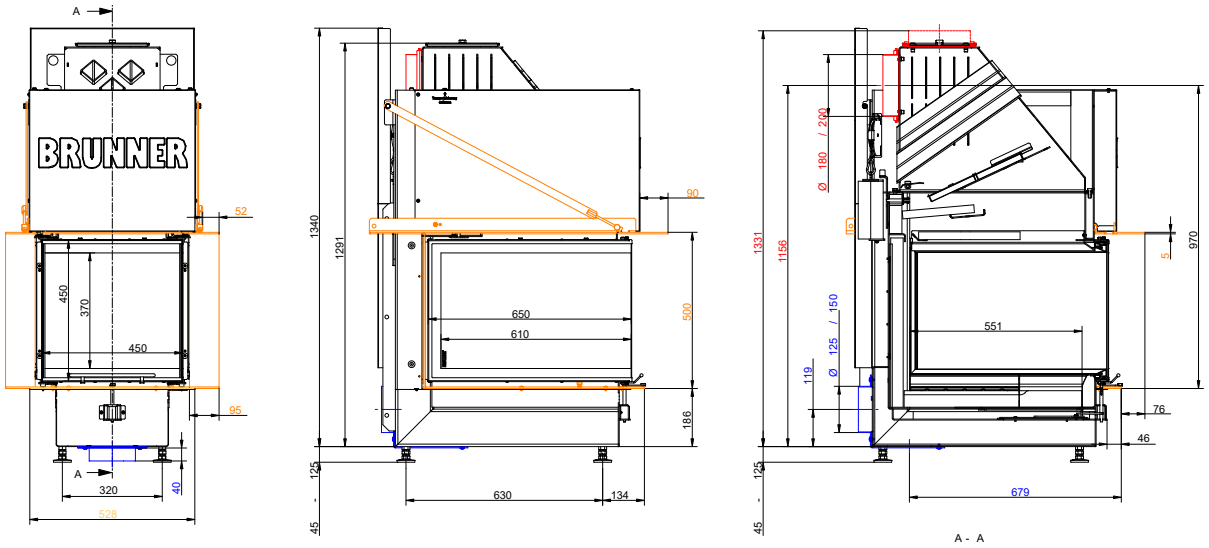
… with steel smoke hood and Feuertisch (wide frame)

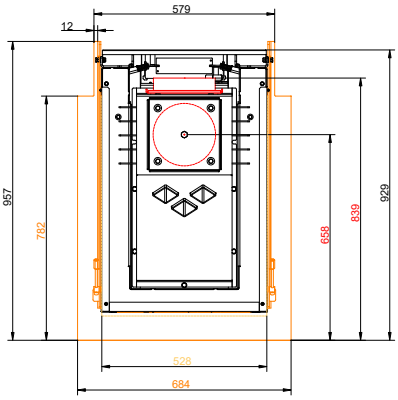


... detail wide frame (schematic)

State: 2025-04-09

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





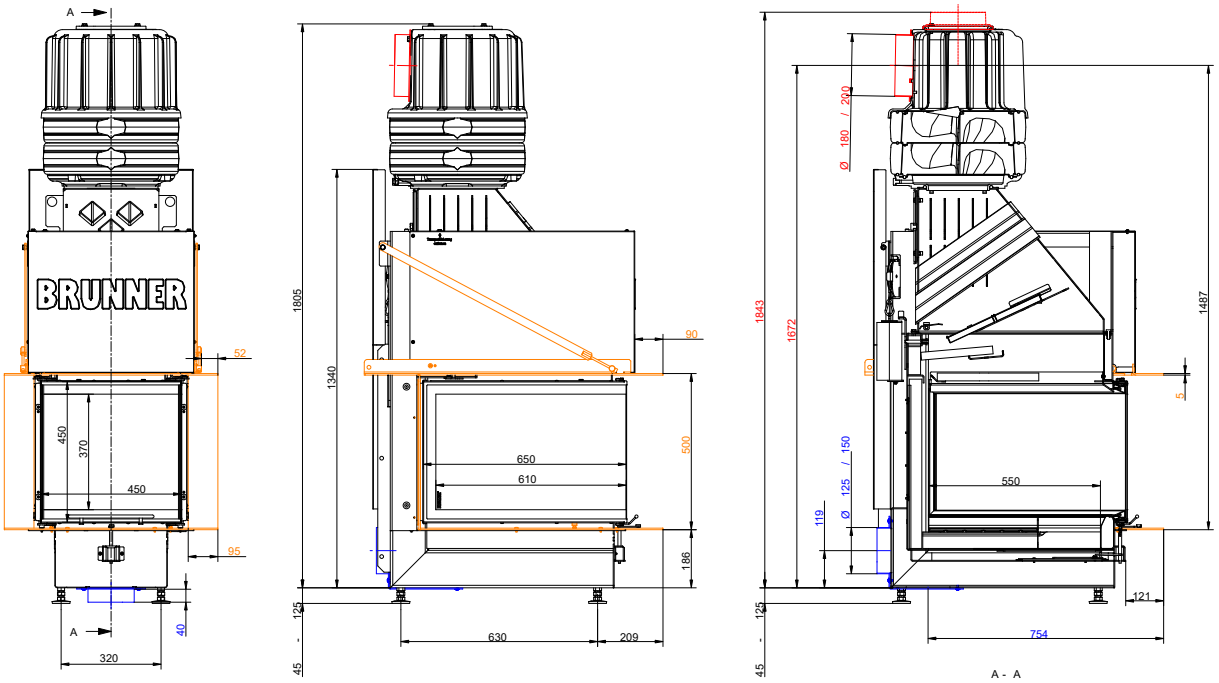
… with steel smoke hood and narrow frame

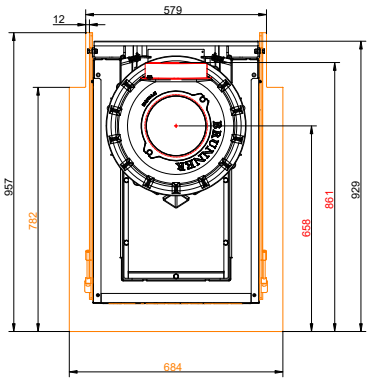


... detail narrow frame (schematic)

State: 2025-04-09

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





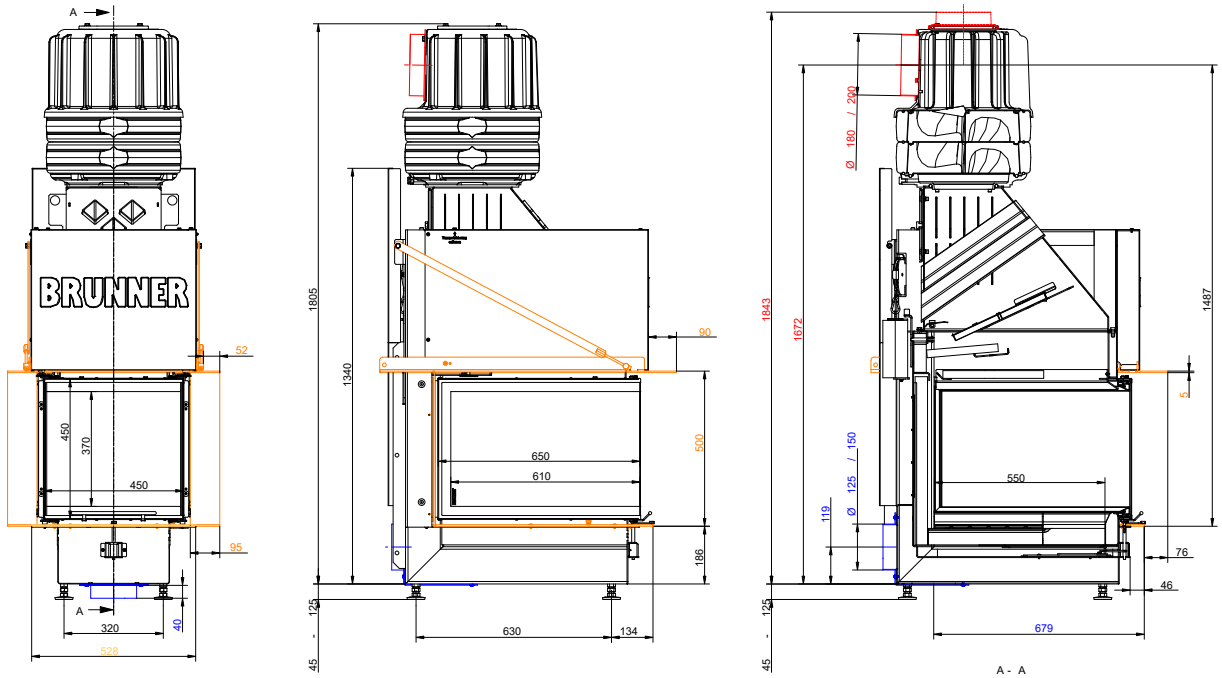
… with steel smoke hood + MAS and Feuertisch (wide frame)

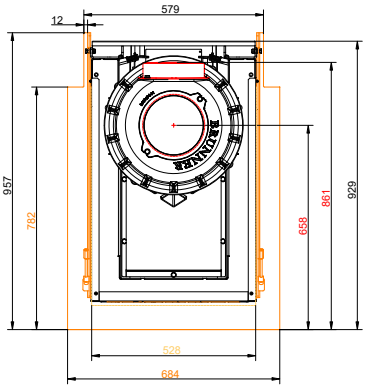


... detail wide frame (schematic)

State: 2025-04-09

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





… with steel smoke hood + MAS and narrow frame



... detail 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.

State: 2025-04-09

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	m^3/h	32	42
Combustion air connection Ø	mm	150	150
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	cm^2	700	700
Recirculation air	cm^2	700	700
Minimal oven surface for closed construction type			
Heat dissipating surface	m^2	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
Fire protection with active rear ventilation, intermediate space			
Minimum insulation thickness for construction : insulation material I 5 cm rear active ventilation I wall [5]			
for mounting wall (combustible/non-combustible)	cm	5	5
Minimum insulation thickness for construction: insulation material I 30 cm closed gap I ceiling [6]			
for ceiling (combustible)	cm	10	10
Fire protection with adequate insulation material			
Minimum insulation thickness for construction: insulation material I mounting wall, ceiling, floor [6]			
with heat protection panel, mounting wall (non-combustible) [7]	cm	6	6
with heat protection panel, mounting wall (combustible) [7]	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
Weight			
Fireplace insert + combustion chamber inner lining chamotte/cast iron	kg	245 + 35 / 38	
Meets requirement/limit values for:			

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Subject to technical and assortment changes. Errors excepted.
State: 2025-04-07

Planning and installation - BKH Panorama 45-65-45-65 green

EU / Germany	Ecodesign / 1. BImSchV (Stufe 2)

1) Data on ‘nominal output’ determined with steel smoke hood ⌀200 mm and installed catalytic converter
2) Information on "Storage operation" for the version with top-mount accumulator MAS.
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 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.
6) 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.
7) Heat protection plate: accessory for BKH flat/tunnel/corner versions; factory-fitted for BKH panoramic fireplaces.

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