

BRUNNER WATER BOILERS



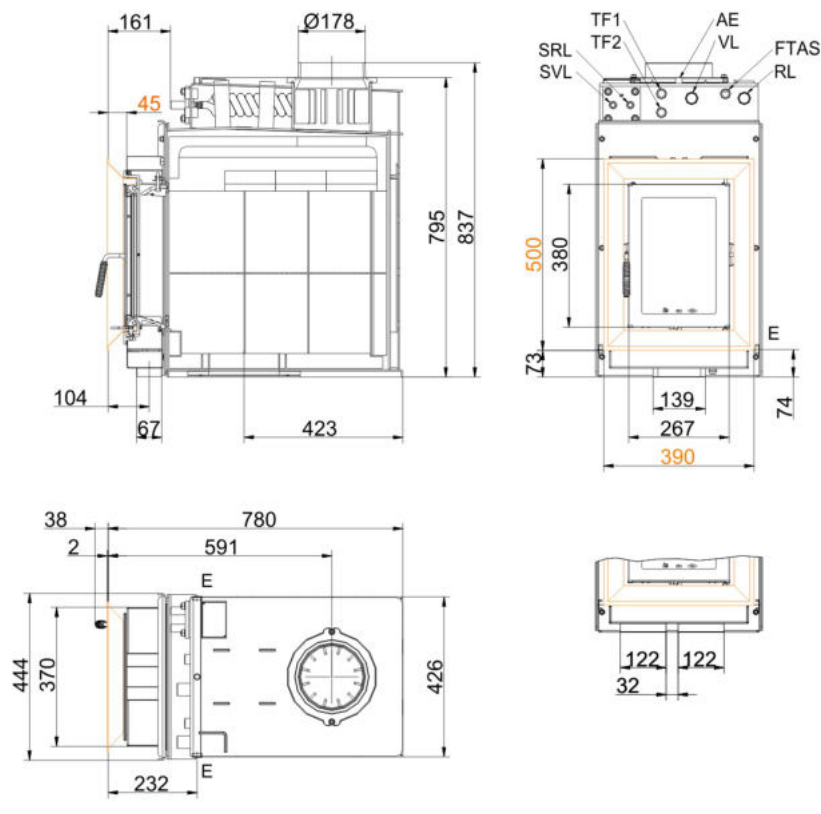
Kompakt-Kessel B8

State: 2023-09-11

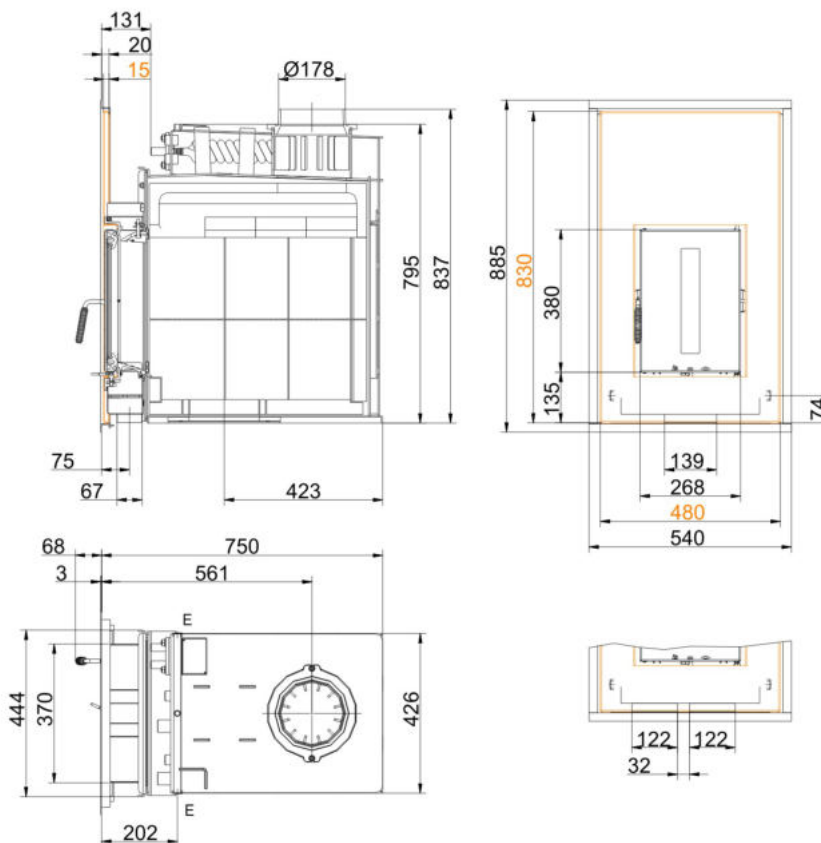


BRUNNER[®]
made in germany.

Dimension sheets - Kompakt-Kessel B8

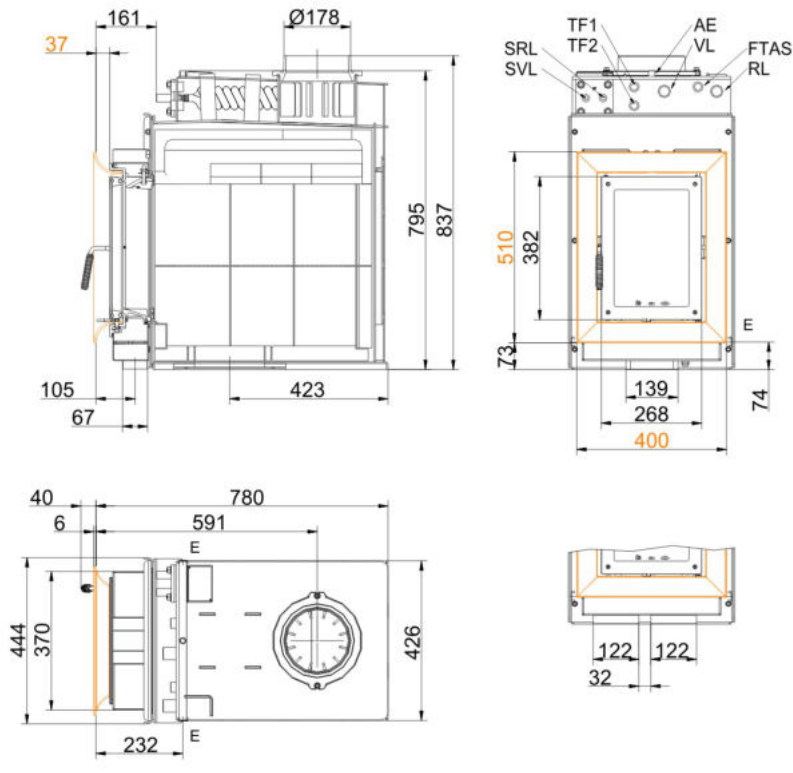


... with steel door frame



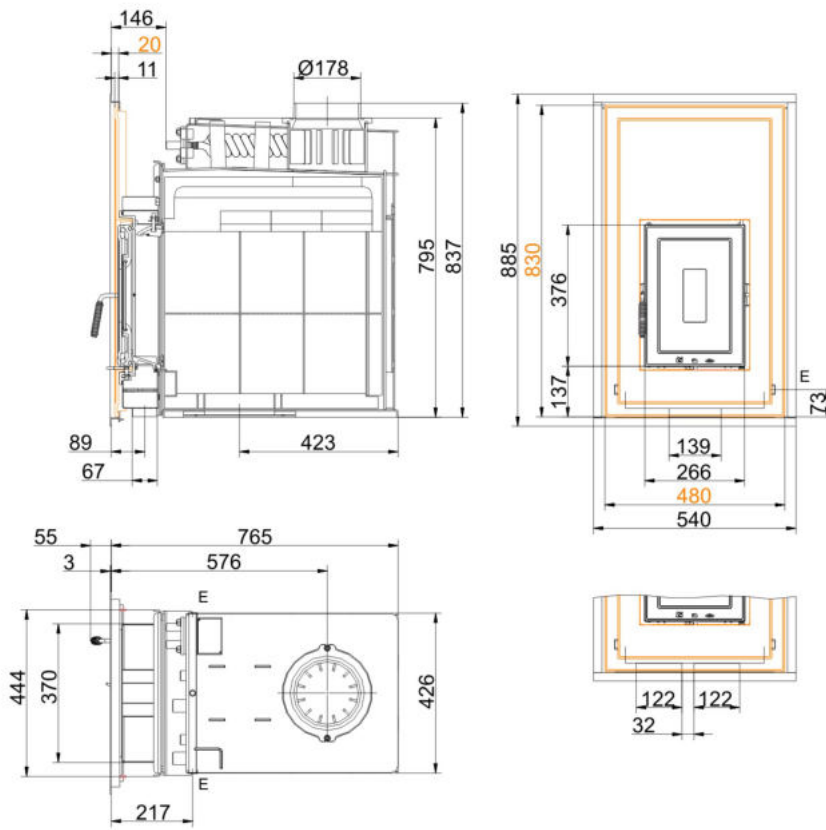
... with steel front plate

Dimension sheets - Kompakt-Kessel B8



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.
TF1	socket 1/2" for sensor int.th.
TF2	socket 1/2" for sensor int.th.
AE	socket 1/2" for ventilation

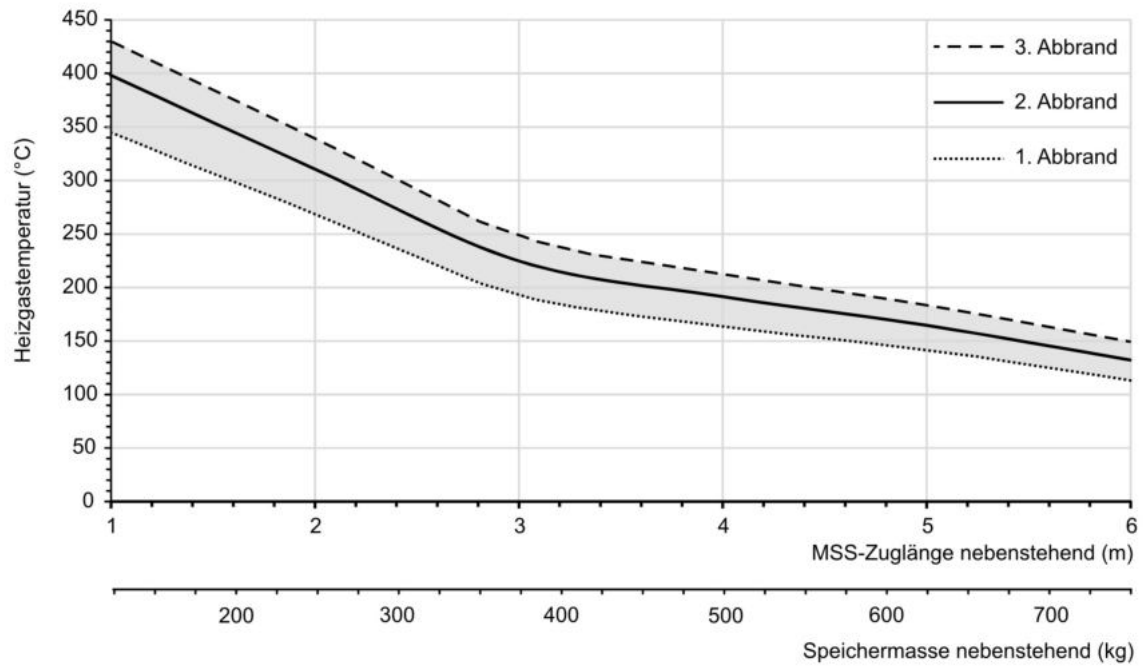
... with cast iron frame



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... with cast iron front plate

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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 - Kompakt-Kessel B8

Tested according to		EN 13229 W	EN 13229 W
Values measured at		Rated power	Practical avg.
Data for functional demonstration			
Rated heat power	kW	13	-
Fire wood volume	kg/h	3.8	5.3
Combustion performance	kW	15.8	22.5
Flue gas mass flow	g/s	11.3	18.9
Outlet temperature (before reheating surface)	°C	498	520
Flue gas temperature after:			
1 x adjoining cast iron radiator (GNF 8/10)	°C	181	241
4,9 m ceramic accumulator ¹⁾	°C	-	180
3,4 m accumulation stones (MSS) ¹⁾	°C	-	210
Necessary supply pressure	Pa	12	15
Combustion air consumption	m³/h	35	45
Combustion air connection Ø	mm	125	125
Heating gas temperature (before the hood/dome variant)			
insert flue outlet nozzle	°C	498	520
Heat distribution			
Insert / reheating surface	%	12 / 45	12 / 45
Glass pane (single / double)	%	- / 10	- / 10
Boiler	%	33	33
Boiler part without insulation, double glass	%	33	33
Cross-section of gratings ²⁾			
Convection air	cm²	200 / 250 / 550	200 / 250 / 550
Supply air	cm²	200 / 250 / 550	200 / 250 / 550
Minimal distances of the fireplace			
to cladding, insulation layer	cm	6	6
to mounting floor	cm	15	15
Thermal insulation without / with air gratings ³⁾			
Mounting wall	cm	10 / 7	10 / 7
Floor	cm	0 / 0	0 / 0
Ceiling	cm	16 / 12	16 / 12
Brick lining for combustible wall	cm	10	10
Water boiler data			
Max. operating pressure	bar	3	3
Max. flow temperature	°C	100	100
Water volume	liter	42	42
Connections flow / return	inches	1	1
Weight			
Fireplace / combustion chamber	kg	160 / 59	
Meets requirement/limit values for:			
Germany/ Austria / Switzerland / Norway	1.BImSchV (Stufe 2) / 15a BVG (2015) / - / -		

1) Approximate value. Determination according to design characteristics for adjacent storage mass or proof of function provided by calculation

2) for fireplace inserts / flue gas pipe / metallic reheating surface

3) Values determined with upper air cross- sections; stove cladding is heat emitting