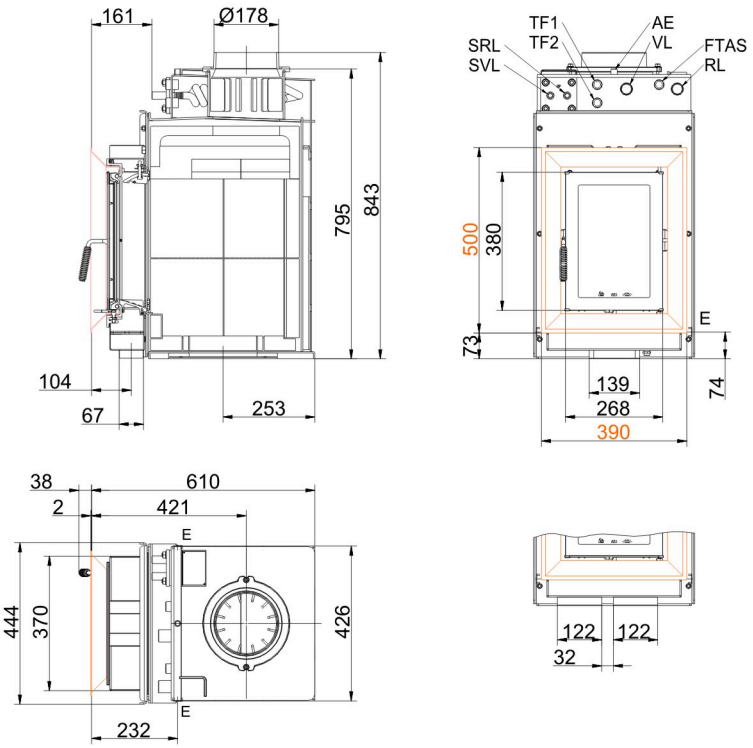
BRUNNER WATER BOILERS

Kompakt-Kessel B7

State: 2023-09-11

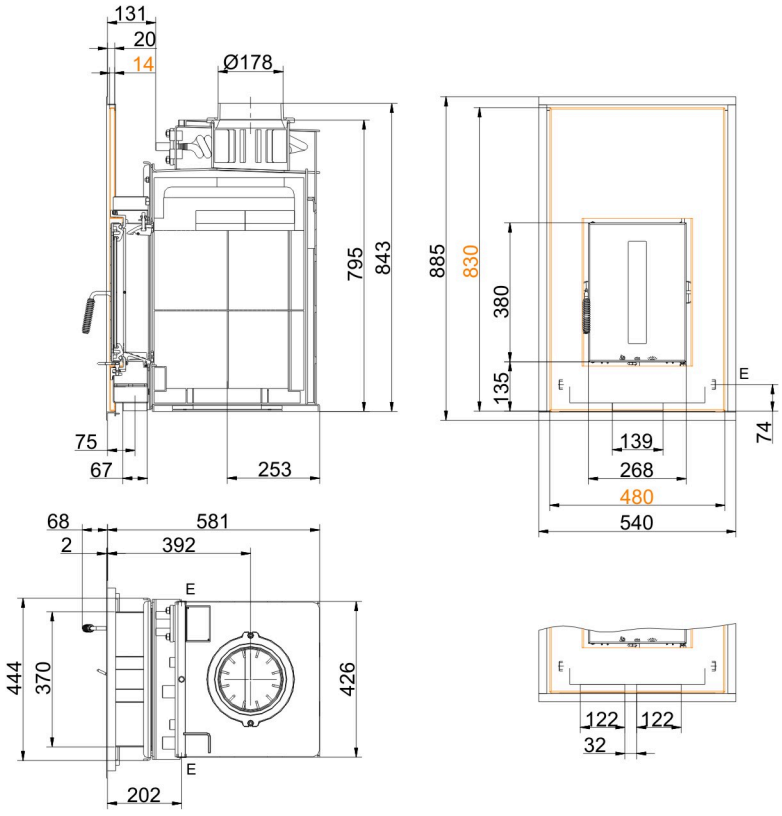
BRUNNER®
made in germany.

Dimension sheets - Kompakt-Kessel B7



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 steel door frame



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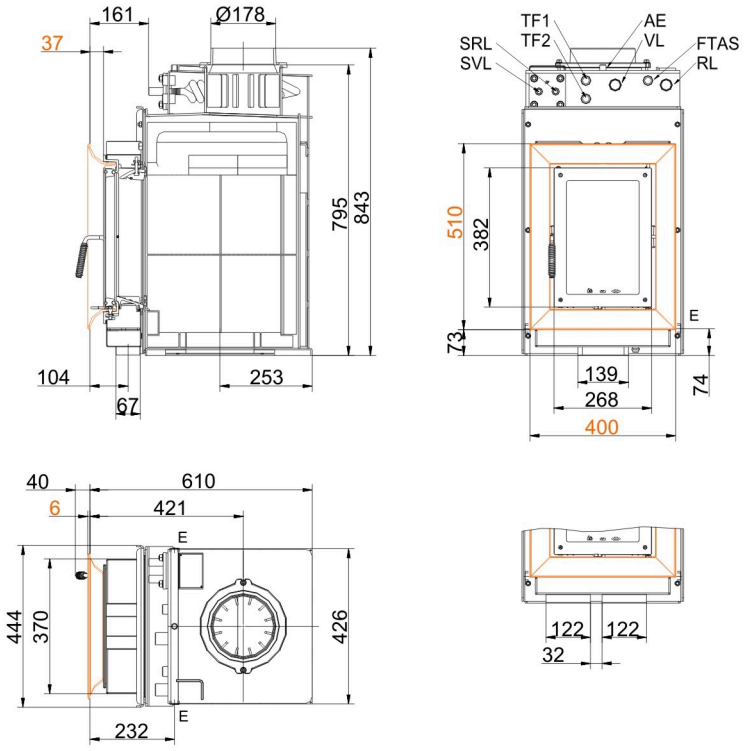

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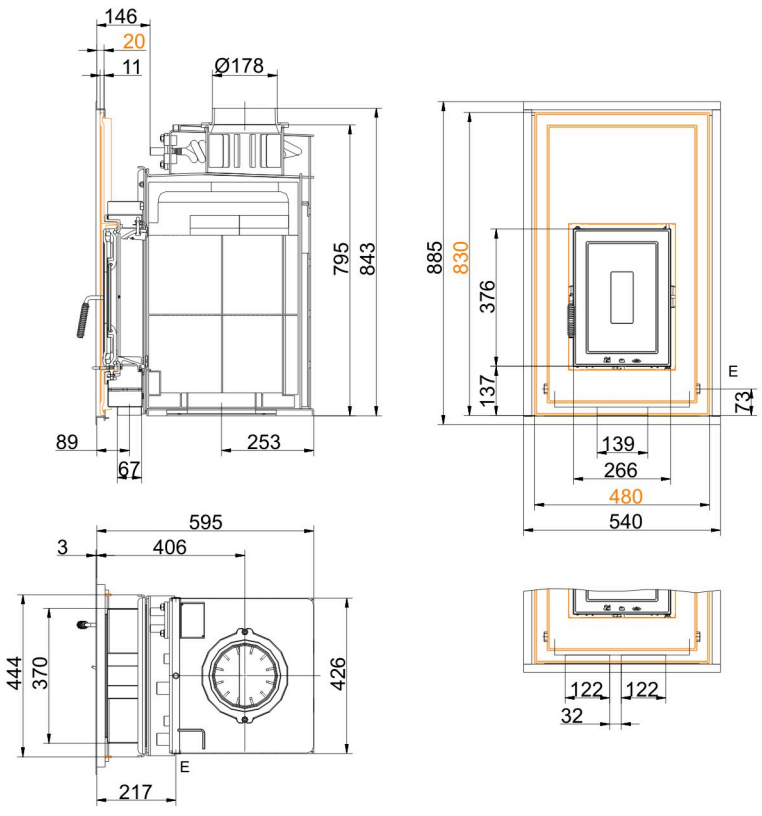

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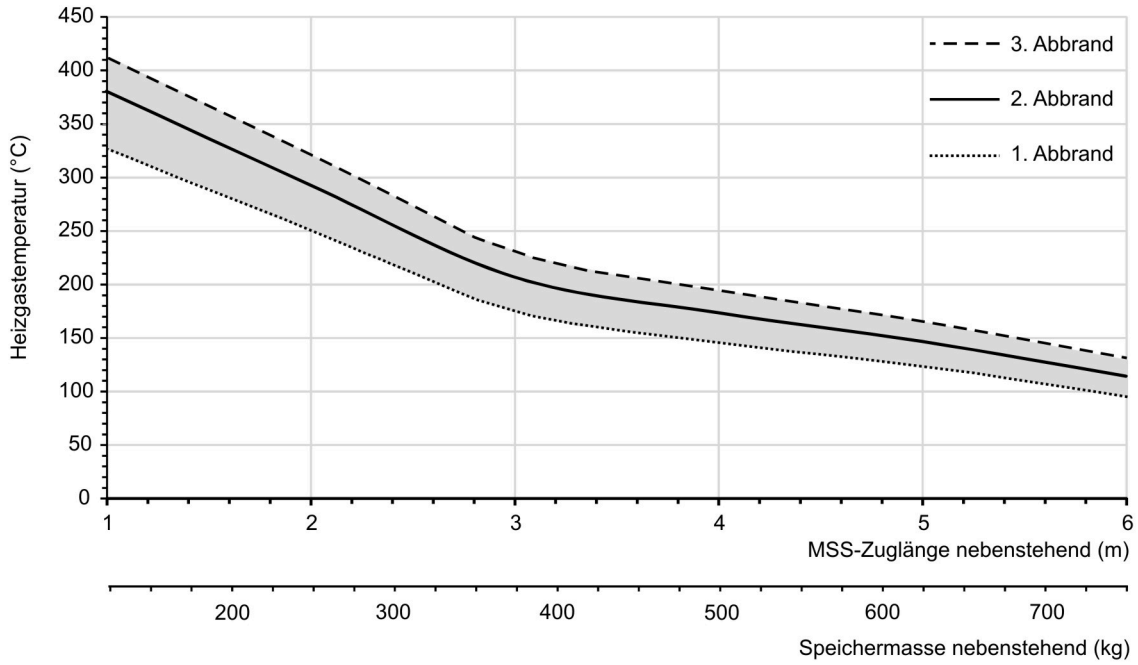

Design characteristics for adjacent storage mass

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 B7

Tested according to		EN 13229 W	EN 13229 W
Values measured at		Rated power	Practical avg.
Data for functional demonstration			
Rated heat power	kW	12	-
Fire wood volume	kg/h	3.5	4.6
Combustion performance	kW	15	20
Flue gas mass flow	g/s	10.9	17.9
Outlet temperature (before reheating surface)	°C	484	491
Flue gas temperature after:			
1 x adjoining cast iron radiator (GNF 8/10)	°C	207	247
4,1 m ceramic accumulator [1)]	°C	-	180
2,8 m accumulation stones (MSS) [1)]	°C	-	215
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	484	491
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	150 / 250 / 500	150 / 250 / 500
Supply air	cm²	150 / 250 / 500	150 / 250 / 500
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	31	31
Connections flow / return	inches	1	1
Weight			
Fireplace / combustion chamber	kg	134 / 44	
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

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