

BRUNNER WATER BOILERS



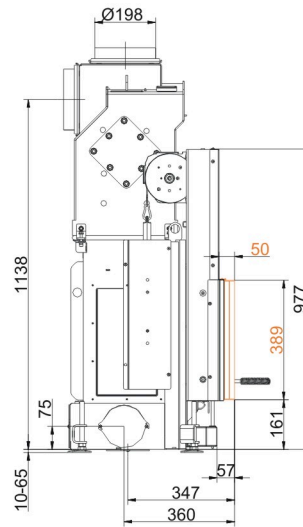
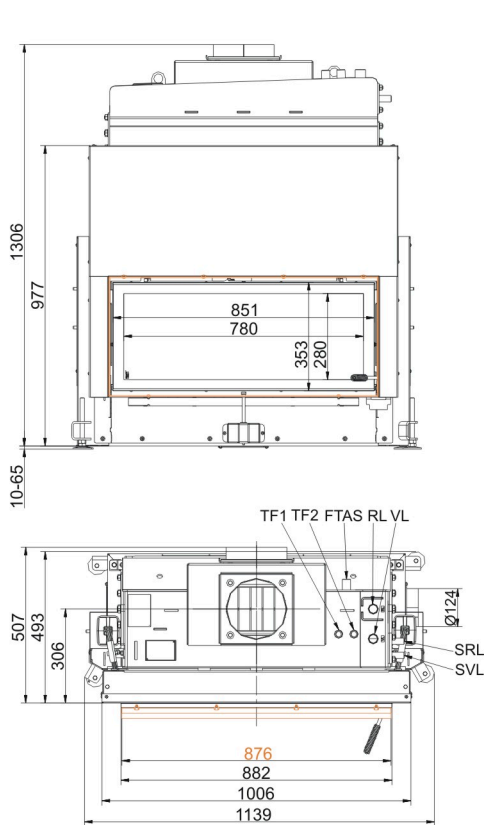
Architektur 38/86 with top-mount boiler lifting door

State: 2023-09-08



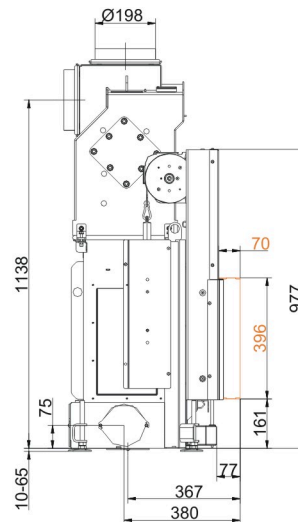
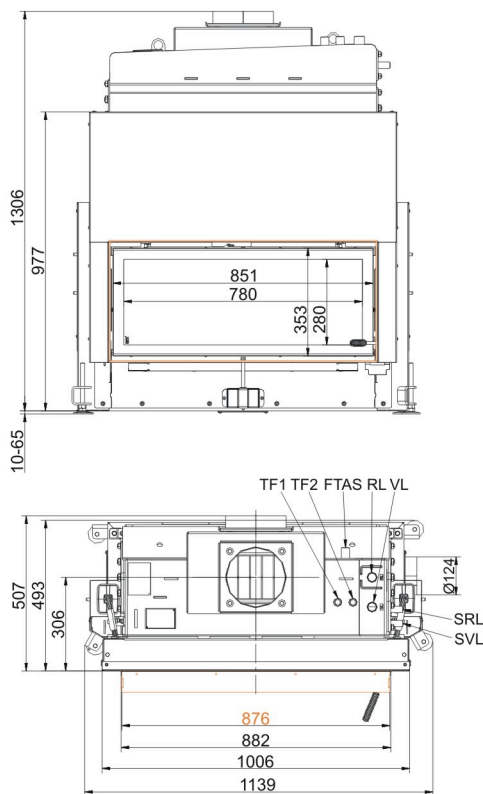
BRUNNER[®]
made in germany.

Dimension sheets - Architektur 38/86 with top-mount boiler lifting door



- 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.

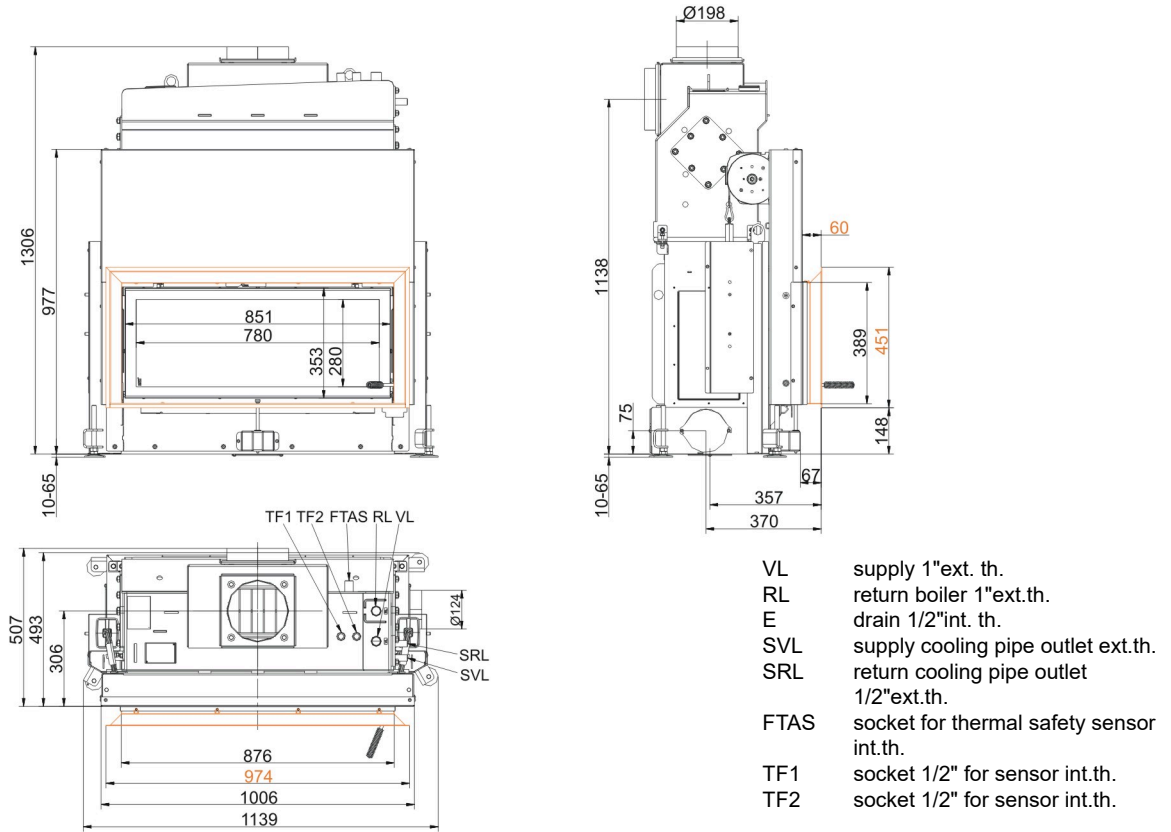
... with mounting frame 50 mm



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... with mounting frame 70 mm

Dimension sheets - Architektur 38/86 with top-mount boiler lifting door



... with door frame

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 - Architektur 38/86 with top-mount boiler ^{lifting}

door

Tested according to	EN 13229 W	EN 13229 W
Values measured at	Rated power	Practical avg.

Data for functional demonstration

Rated heat power	kW	14	-
Fire wood volume	kg/h	4	5.1
Combustion performance	kW	15.8	20.4
Flue gas mass flow	g/s	11.9	20.1
Flue gas temperature after:			
boiler	°C	142	149
Necessary supply pressure	Pa	12	12
Combustion air consumption	m ³ /h	40	50
Combustion air connection Ø	mm	125	125

Heat distribution

Insert / reheating surface	%	20 - 25 / -	20 - 25 / -
Glass pane (single / double)	%	30 / 25	30 / 25
Boiler	%	50	50
Boiler part without insulation, double glass	%	50	50
Kesselteil ohne Dämmung, Einfachglas	%	45	45

Cross-section of gratings ¹⁾

Convection air	cm ²	300 / 200 / -	300 / 200 / -
Supply air	cm ²	300 / 200 / -	300 / 200 / -

Minimal distances of the fireplace

to cladding, insulation layer	cm	6	6
to mounting floor	cm	1	1

Thermal insulation without / with air gratings ²⁾

Mounting wall	cm	10 / 8	10 / 8
Floor	cm	0 / 0	0 / 0
Ceiling	cm	10 / 8	10 / 8
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	43	43
Connections flow / return	inches	1	1

Weight

Fireplace / combustion chamber ³⁾	kg	(160 + 142) / 64
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Meets requirement/limit values for:

Germany/ Austria / Switzerland / Norway	1.BImSchV (Stufe 2) / 15a BVG (2015) / LRV / -
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- 1) for fireplace inserts / flue gas pipe / metallic reheating surface
- 2) Values determined with upper air cross- sections; stove cladding is heat emitting
- 3) Fireplace insert = body + top mounted exchanger