

## BRUNNER WATER BOILERS



### Architektur 38/86 with top-mount boiler

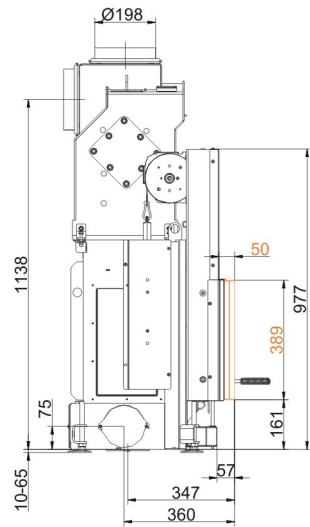
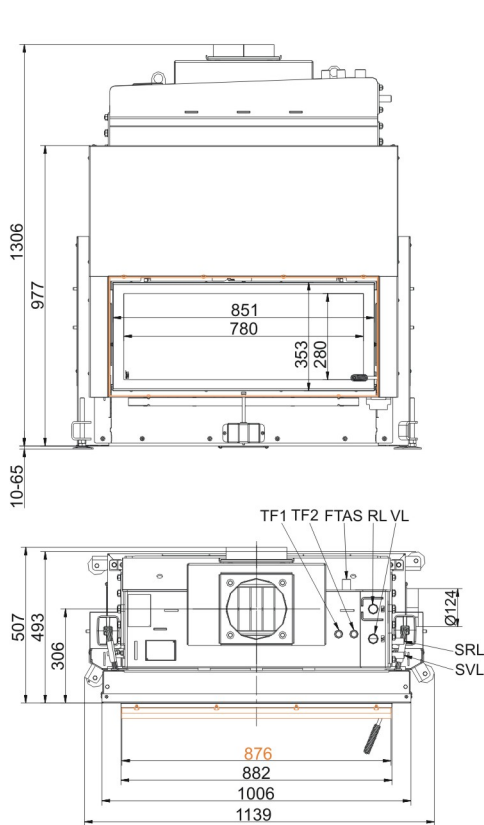
lifting door (easy-lift)

State: 2018-03-23



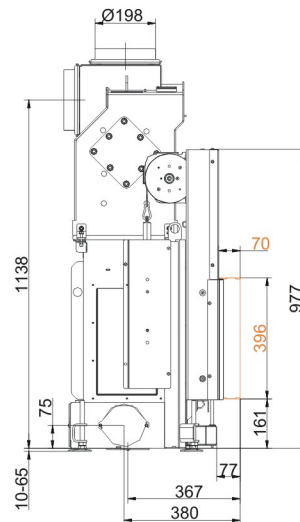
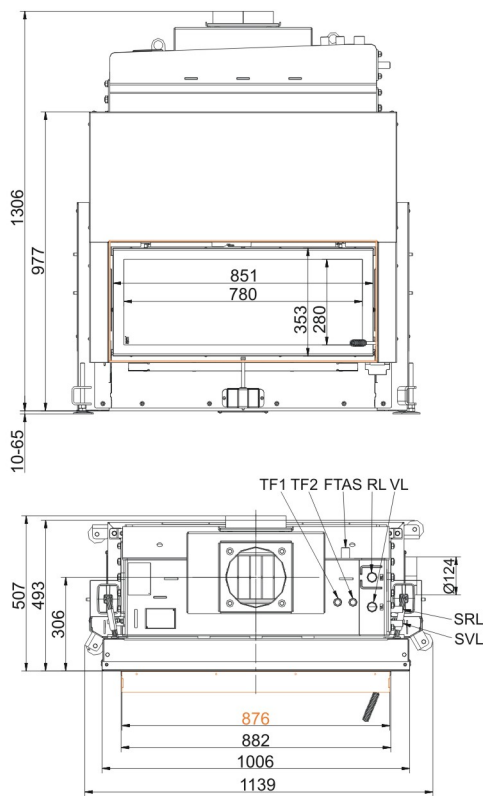
**BRUNNER**<sup>®</sup>  
*made in germany.*

# Dimension sheets - Architektur 38/86 with top-mount boiler lifting door (easy-lift)



- VL supply 1"
- RL return boiler 1"
- E drain 1/2"
- SVL supply cooling pipe outlet
- SRL return cooling pipe outlet 1/2"
- FTAS socket for thermal safety sensor
- TF1 socket 1/2" for sensor
- TF2 socket 1/2" for sensor

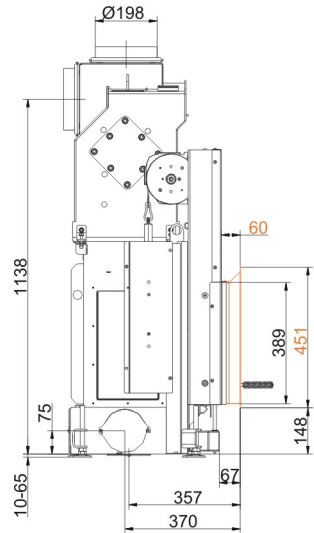
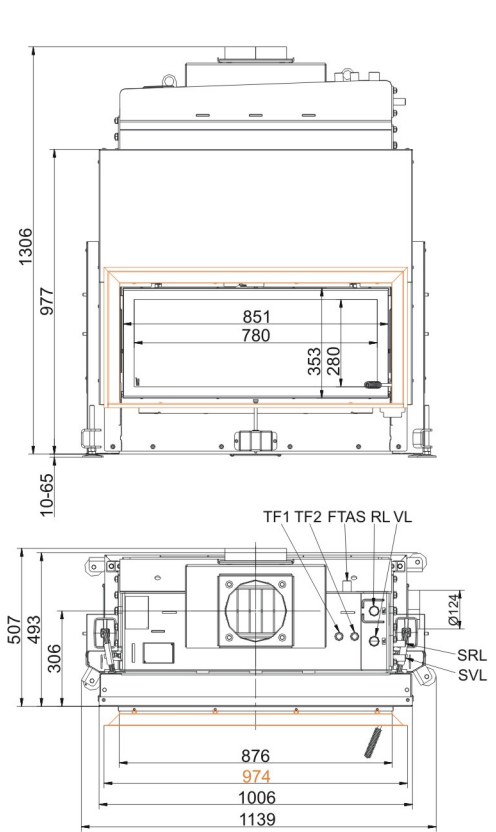
... with mounting frame 50 mm



- VL supply 1"
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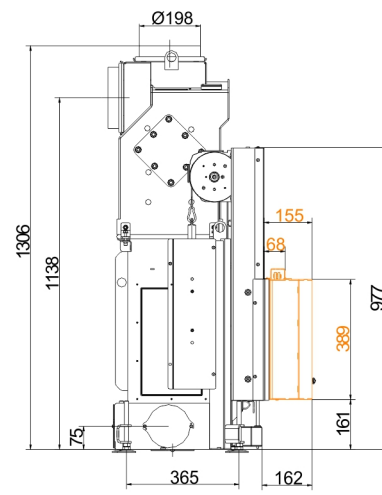
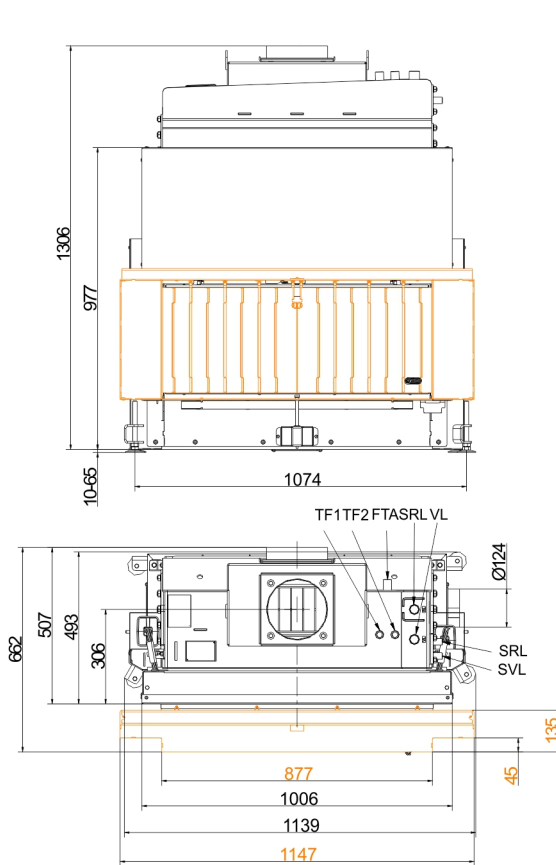
... with mounting frame 70 mm

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... with door frame



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... with heatSTOP®

We suggest for CAD planing Palette CAD. Permanent updated drawings: [www.brunner.de](http://www.brunner.de)  
Frames / front versions are marked colored.

## Planning and installation - Architektur 38/86 with top-mount boiler lifting door (easy-lift)

Tested according to		EN 13229 W	EN 13229 W
Values measured at		Rated capacity	practical avg.
EEl		120.3	120.3
<b>Data for functional demonstration</b>			
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 <sup>3</sup> /h	40	50
Combustion air connection Ø	mm	125	125
<b>Heat distribution</b>			
Insert / heat accumulator	%	20 - 25 / -	20 - 25 / -
Glass pane (single / double)	%	30 / 25	30 / 25
Boiler		50	50
<b>Cross-section of gratings <sup>1)</sup></b>			
Convection air	cm <sup>2</sup>	300 / 200 / -	300 / 200 / -
Supply air	cm <sup>2</sup>	300 / 200 / -	300 / 200 / -
<b>Minimal distances of the fireplace</b>			
to insulation layer	cm	6	6
to mounting floor	cm	1	1
<b>Thermal insulation without / with air gratings <sup>2)</sup></b>			
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
<b>Water boiler data</b>			
Max. operating pressure	bar	3	3
Max. flow temperature	°C	100	100
Water volume	liter	43	43
Connections flow / return	inches	1	1
<b>Weight</b>			
Fireplace / combustion chamber <sup>3)</sup>	kg	(160 + 142) / 64	
<b>Meets requirement/limit values for:</b>			
Germany/ Austria / Suisse / Norway		1.BImSchV (Stufe 2) / 15a BVG (2015) / LRV / -	

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

2) Values determined with upper air sections; stove cladding is heat emitting.

3) Fireplace insert = body + top mounted exchanger