

## TILE STOVE INSERTS FROM BRUNNER



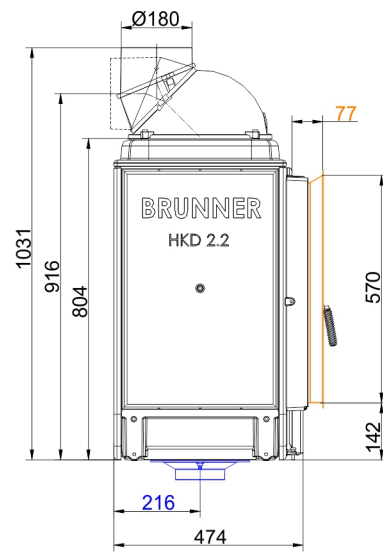
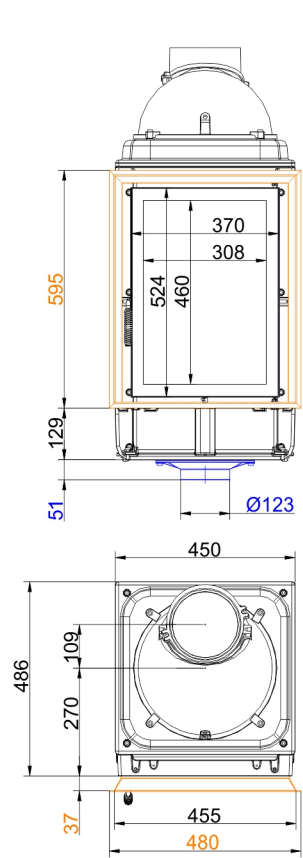
### HKD 2.2

State: 2024-10-02

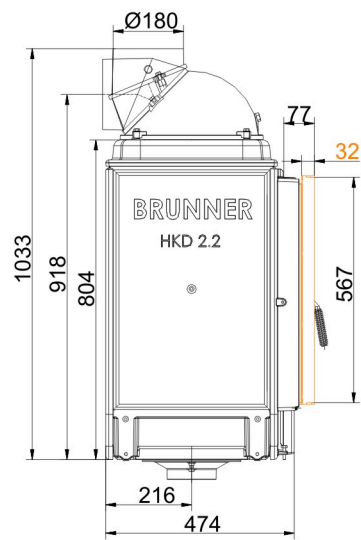
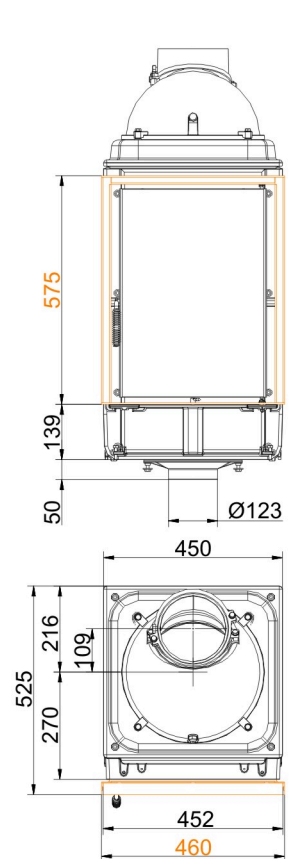


**BRUNNER®**

Dimension sheets - HKD 2.2

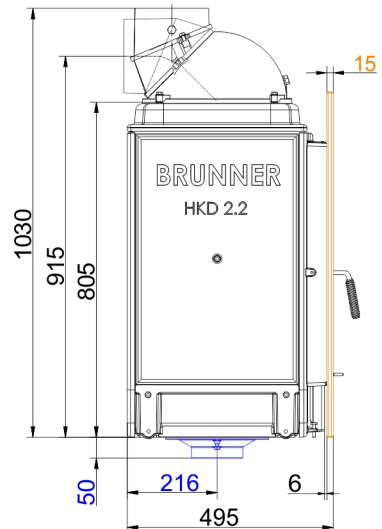
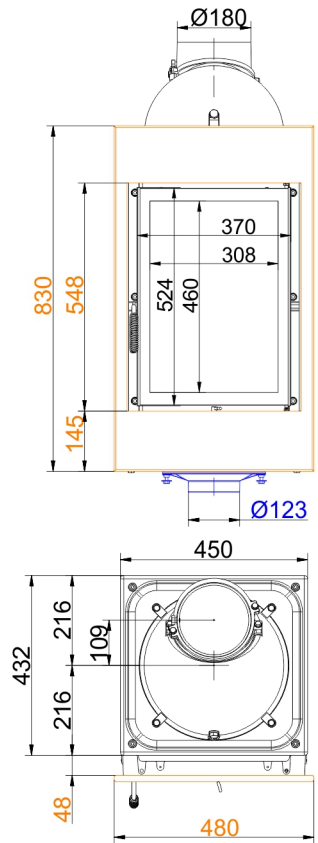


... flat with cast iron dome and steel door frame

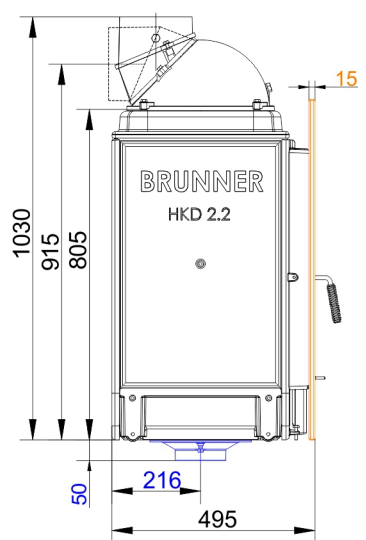
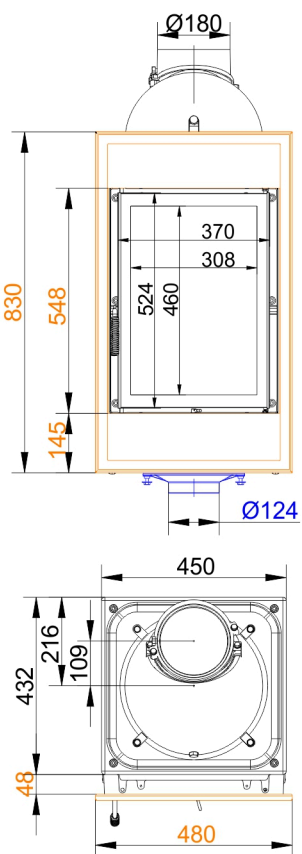


... flat with side opening door and mounting frame

Dimension sheets - HKD 2.2

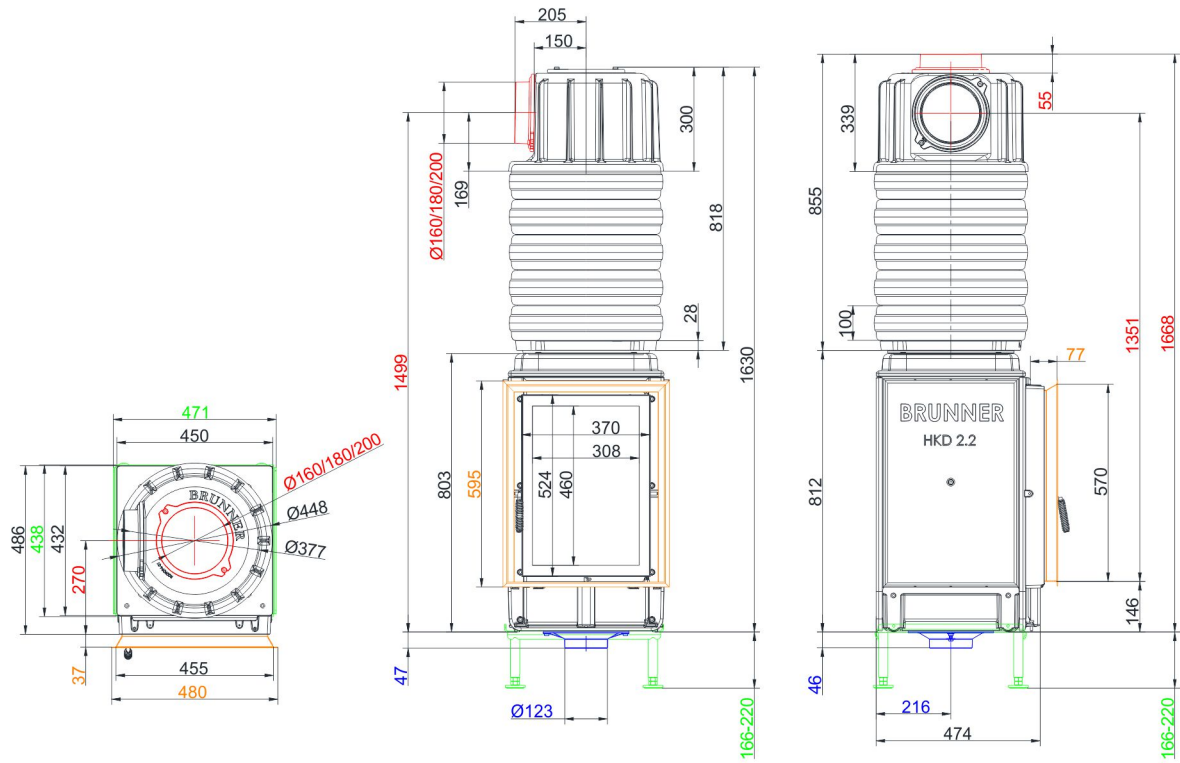


... flat with cast iron dome and steel front plate



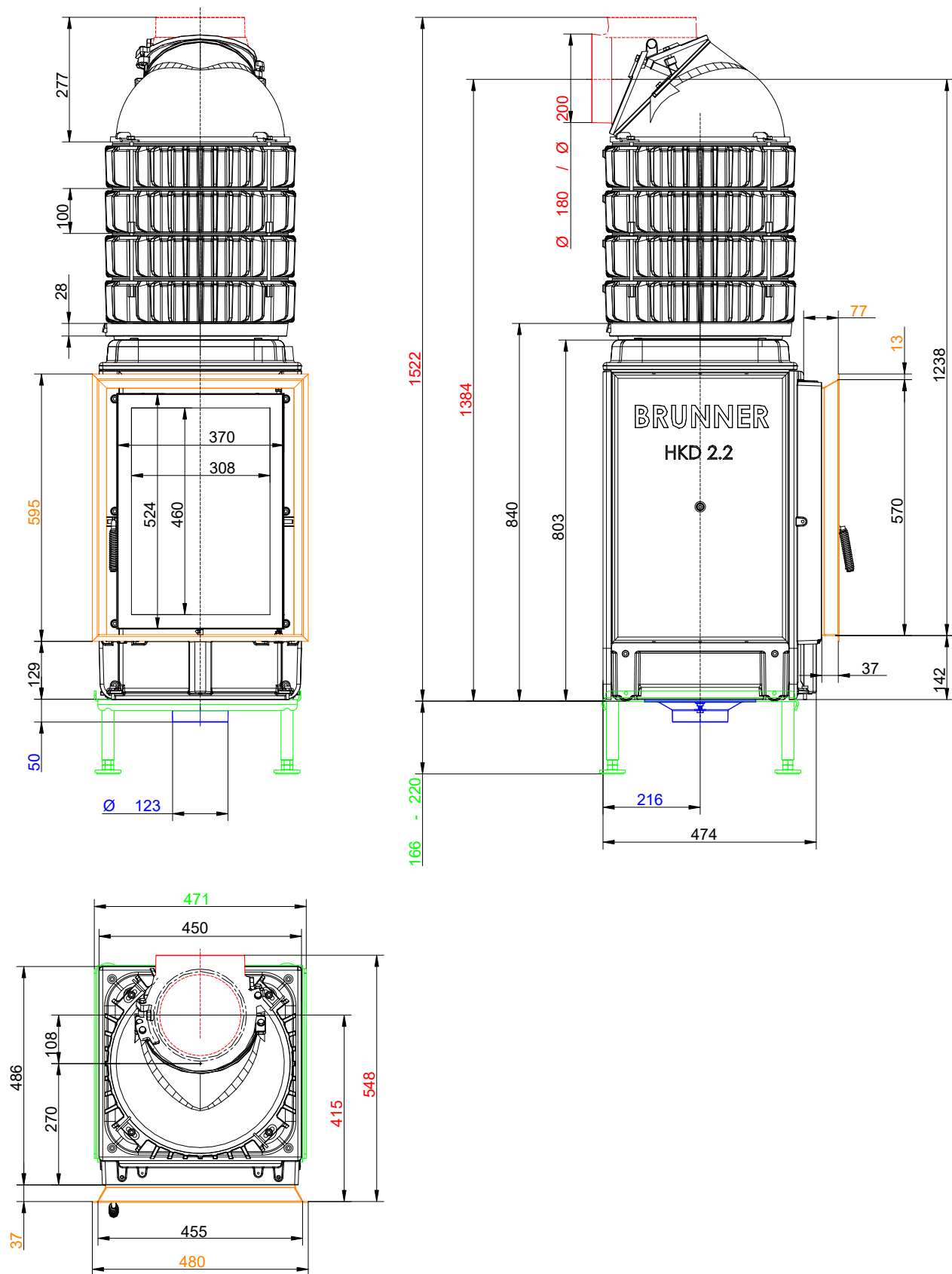
... flat with with cast iron dome and cast iron front plate

## Dimension sheets - HKD 2.2



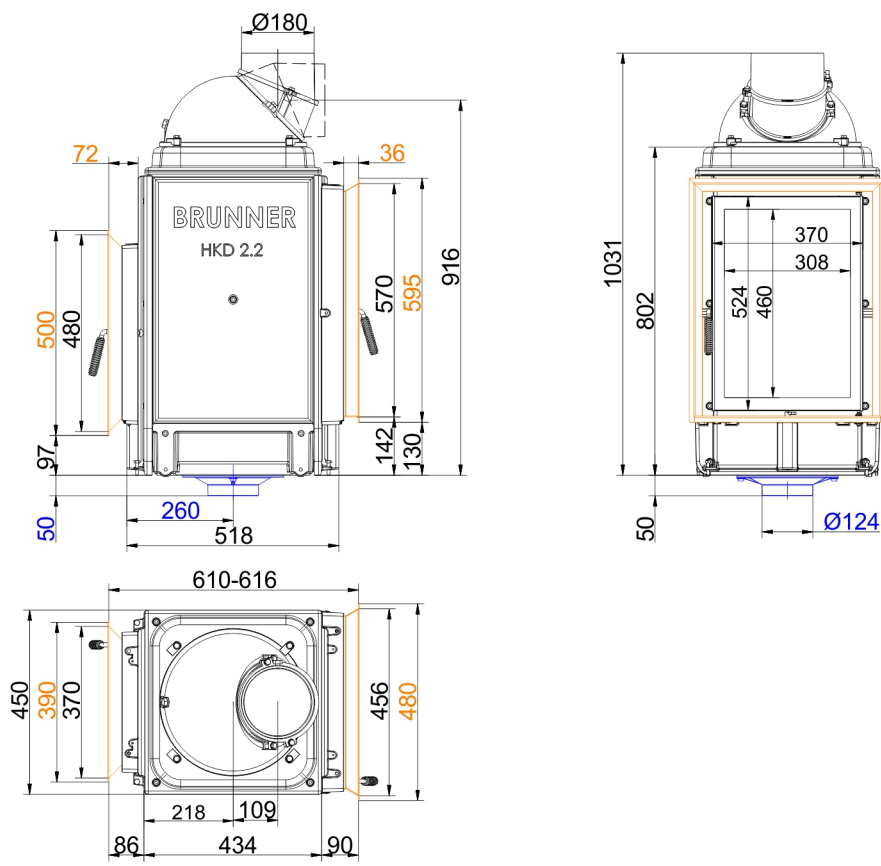
### ... flat with door frame and MAS

Dimension sheets - HKD 2.2

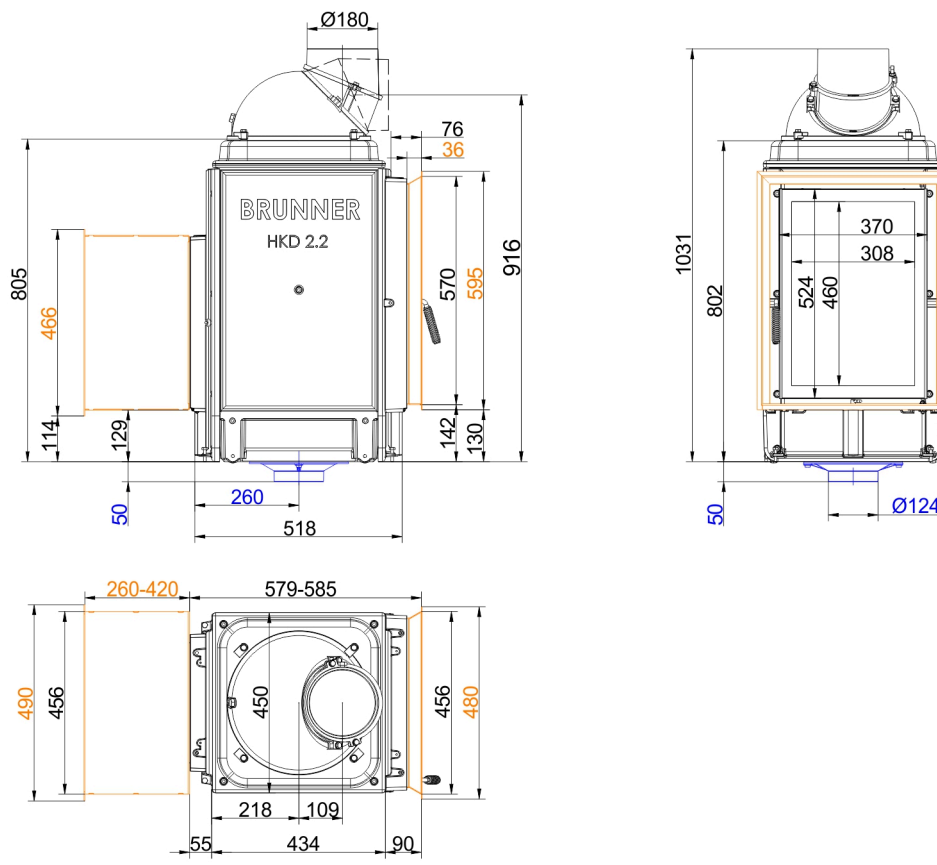


... flat with door frame and Heat exchanger rings

Dimension sheets - HKD 2.2

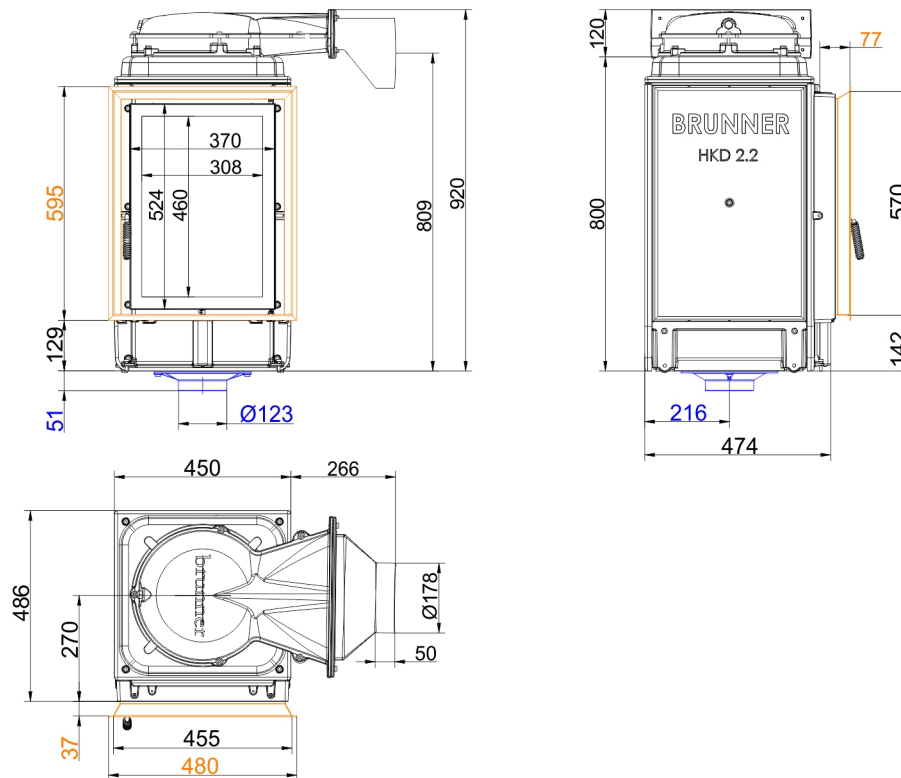


... flat with DHT (additional door)

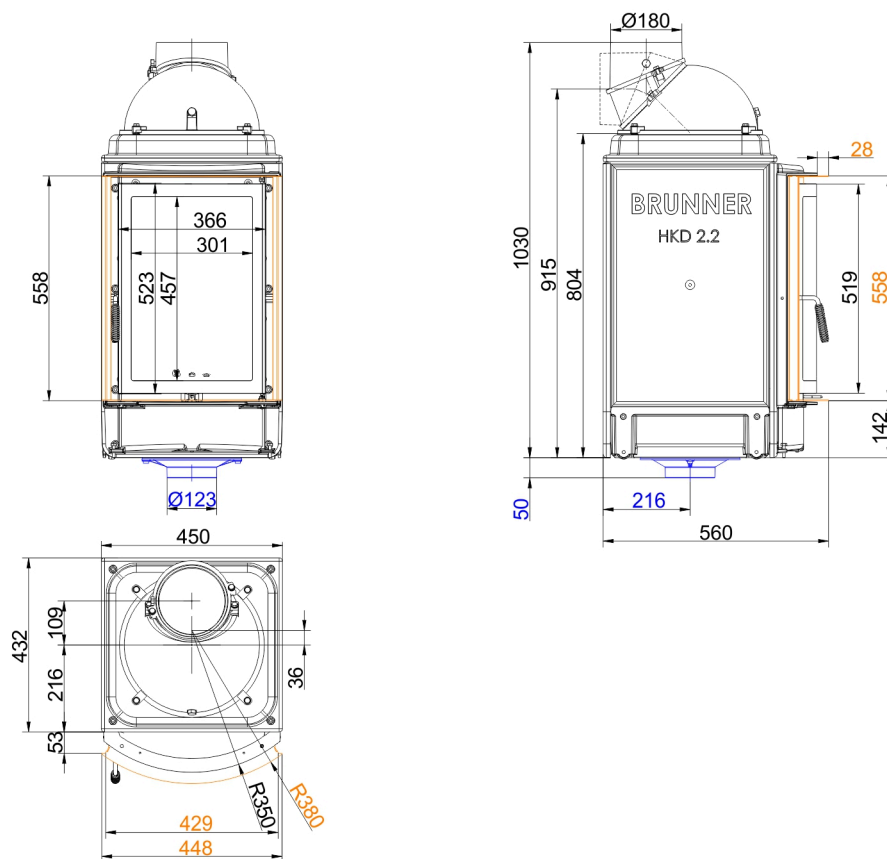


... flat with additional fire door

## Dimension sheets - HKD 2.2

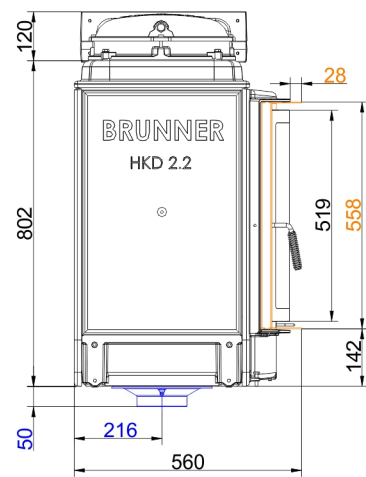
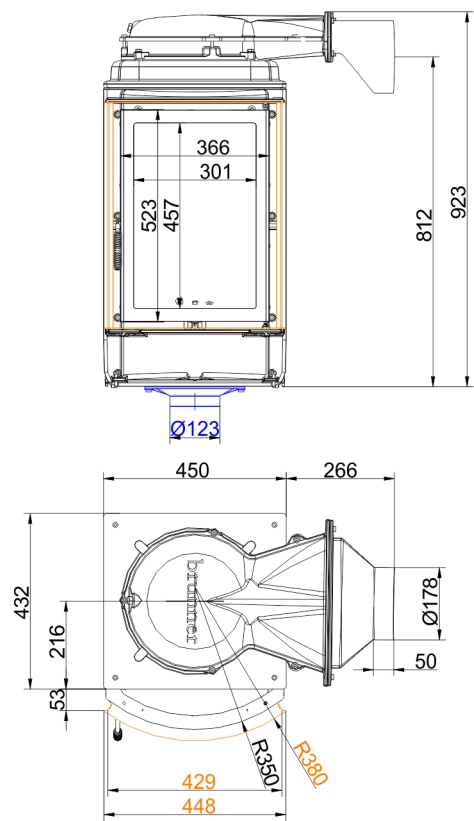


... door frame and cast iron dome low

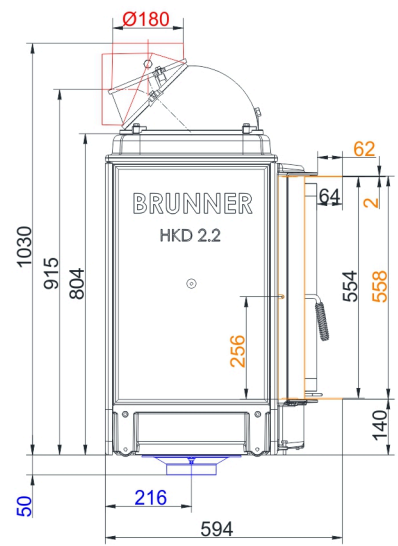
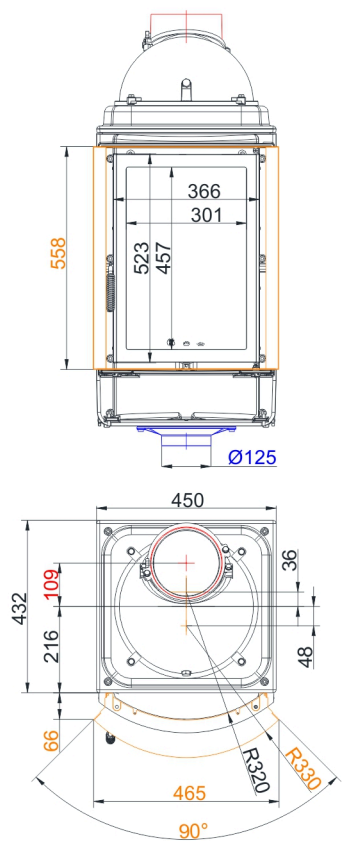


... round with cast iron dome and steel door frame

Dimension sheets - HKD 2.2



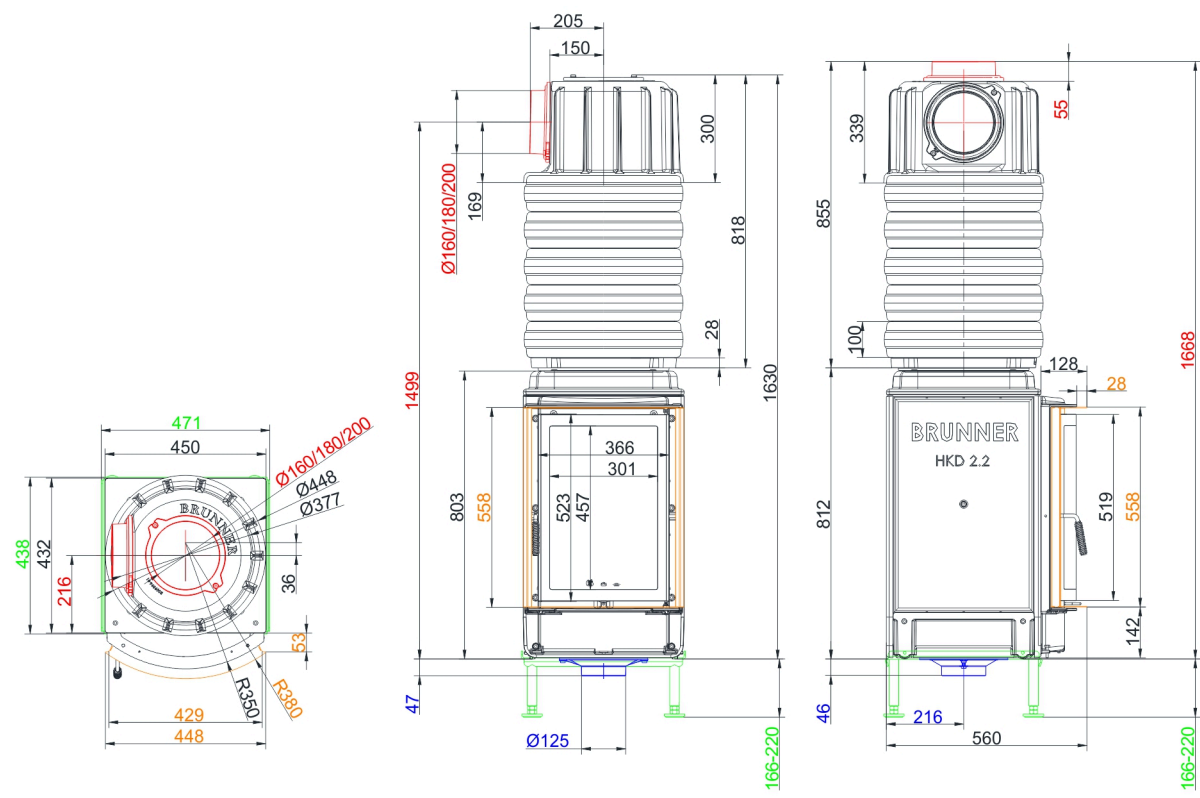
... round with lower cast iron dome, door frame



... round with mounting frame and cast iron dome

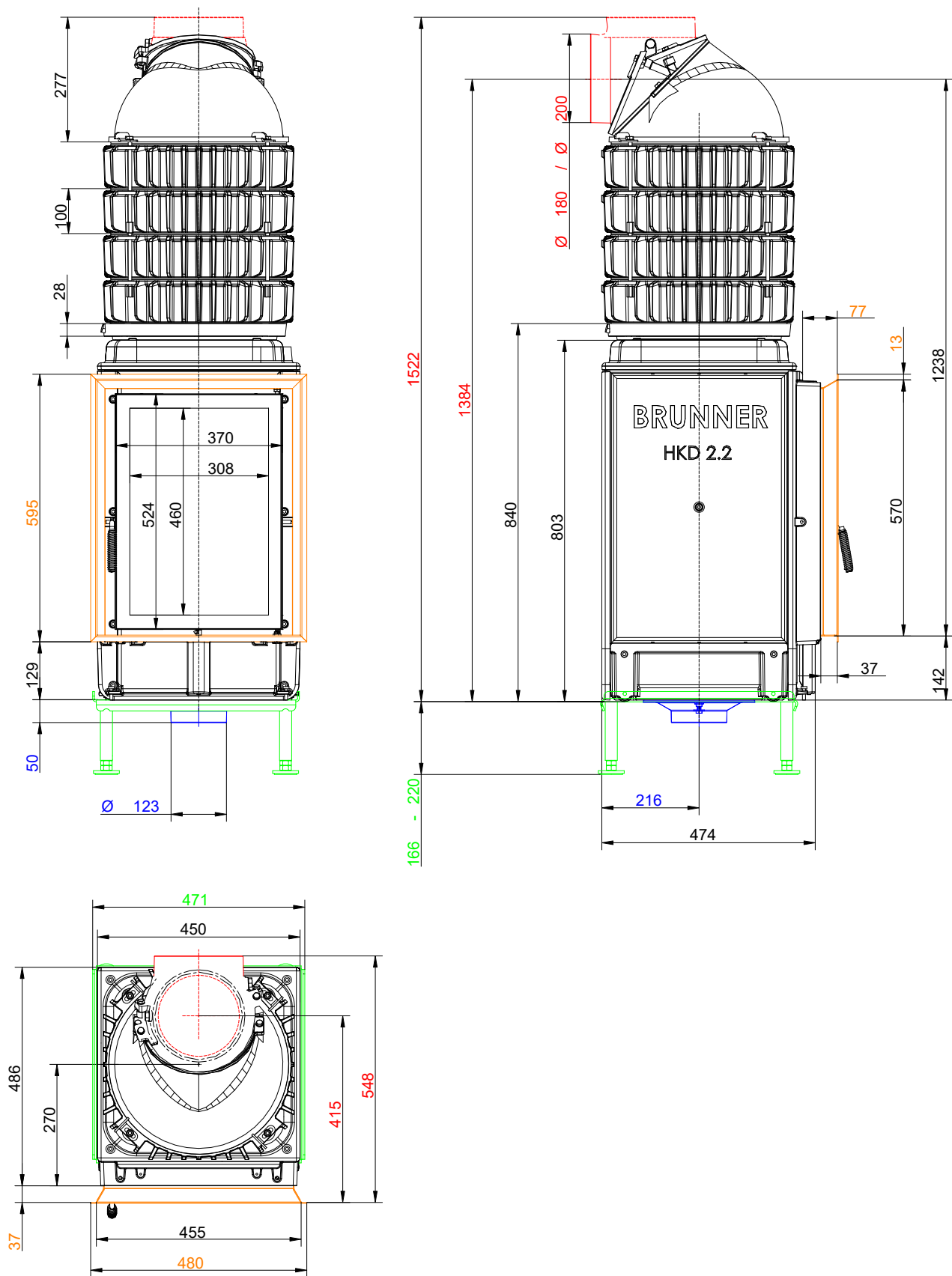


Dimension sheets - HKD 2.2



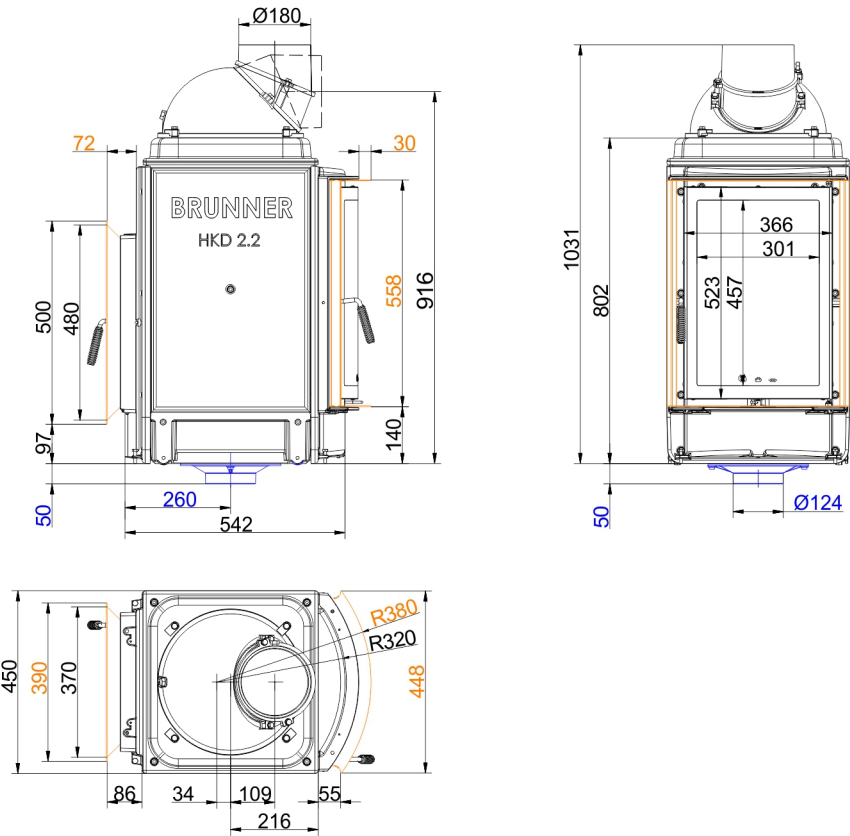
... round with door frame and MAS

Dimension sheets - HKD 2.2

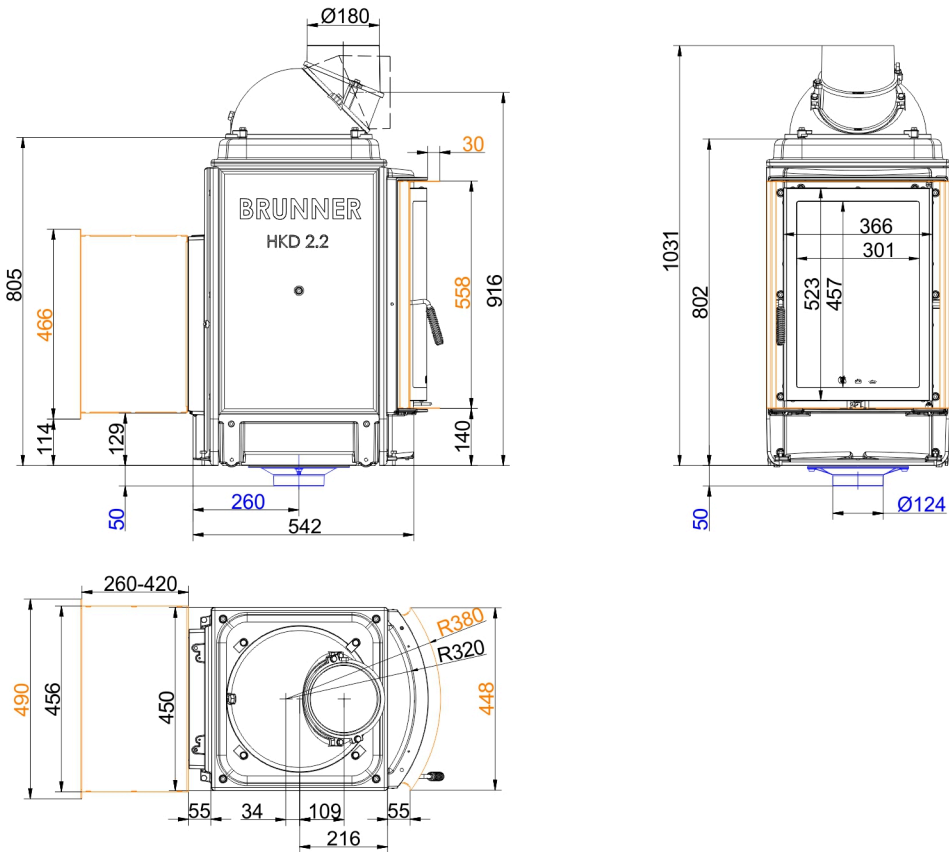


...round with door frame and Heat exchanger rings

Dimension sheets - HKD 2.2

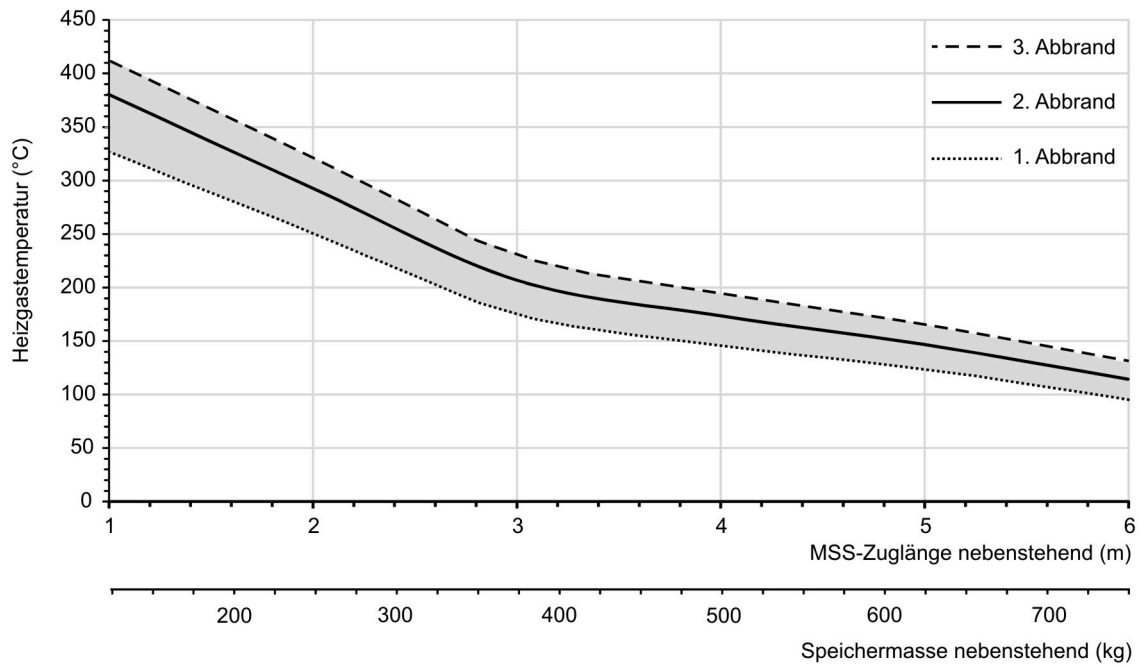


... round with DHT



... round with DHT and niche plate

## Dimension sheets - HKD 2.2



### Design characteristics for adjacent storage mass

We suggest for CAD planning Palette CAD. Permanent updated drawings: [www.brunner.de](http://www.brunner.de)

Frames/ flue gas outlet connection/ combustion air supply connection/ front variants/ support bearing are marked in color.

## Planning and installation - HKD 2.2

Tested according to		EN 13229 W	EN 13229 WA
Values measured at		Rated power <sup>1)</sup>	Storage operation <sup>2)</sup>
Suitable for all construction types according to rules		OK	OK
<b>Data for functional demonstration</b>			
Rated heat power	kW	9	-
Fire wood volume	kg/h	2.5	4
Combustion performance	kW	11	17
Flue gas mass flow	g/s	7	17
Outlet temperature (before reheating surface)	°C	480	520
Flue gas temperature after:			
1 x adjoining cast iron radiator (GNF 8/10)	°C	145	165
4 x cast iron heat exchanger rings + dome	°C	-	220
5 x accumulation rings incl. MAS casted cover <sup>3)</sup>	°C	220	-
4,1 m ceramic accumulator <sup>4)</sup>	°C	-	180
2,8 m accumulation stones (MSS) <sup>4)</sup>	°C	-	215
Boiler module	°C	210	-
Necessary supply pressure	Pa	12	15
Combustion air consumption	m³/h	25	45
Efficiency	%	-	80
Combustion air connection Ø	mm	125	125
<b>Heating gas temperature (before the hood/dome variant)</b>			
cast iron dome	°C	480	520
<b>Heat distribution</b>			
Insert / reheating surface	%	45 / 30 - 35	45 / 30 - 35
<b>Cross-section of gratings <sup>5)</sup></b>			
exhaust warm air	cm²	500 / 250 / 550	500 / 250 / 550
Recirculation air	cm²	500 / 250 / 550	500 / 250 / 550
<b>Minimal distances of the fireplace</b>			
to cladding, insulation layer	cm	6	6
to mounting floor	cm	15	15
<b>Thermal insulation without / with air gratings <sup>6)</sup></b>			
Mounting wall	cm	14 / 10	14 / 10
Floor	cm	0	0
Ceiling	cm	22 / 16	22 / 16
Isolation around the additional door		6	6
Brick lining for combustible wall	cm	10	10
<b>Weight</b>			
Fireplace / combustion chamber	kg	207 / 58	
<b>Meets requirement/limit values for:</b>			
Germany/ Austria / Switzerland / Norway		1.BImSchV (Stufe 2) / 15a BVG (2015) / LRV / -	

- 1) Indications to "Rated power" determined with metallic reheating surface
- 2) Indications to "Storage operation" for the manual execution of the reheating surface (guide values).
- 3) Damper flap recommended
- 4) Approximate value. Determination according to design characteristics for adjacent storage mass or proof of function provided by calculation
- 5) for fireplace inserts / flue gas pipe / metallic reheating surface
- 6) Values determined with upper air cross- sections; stove cladding is heat emitting