

TILE STOVE INSERTS FROM BRUNNER



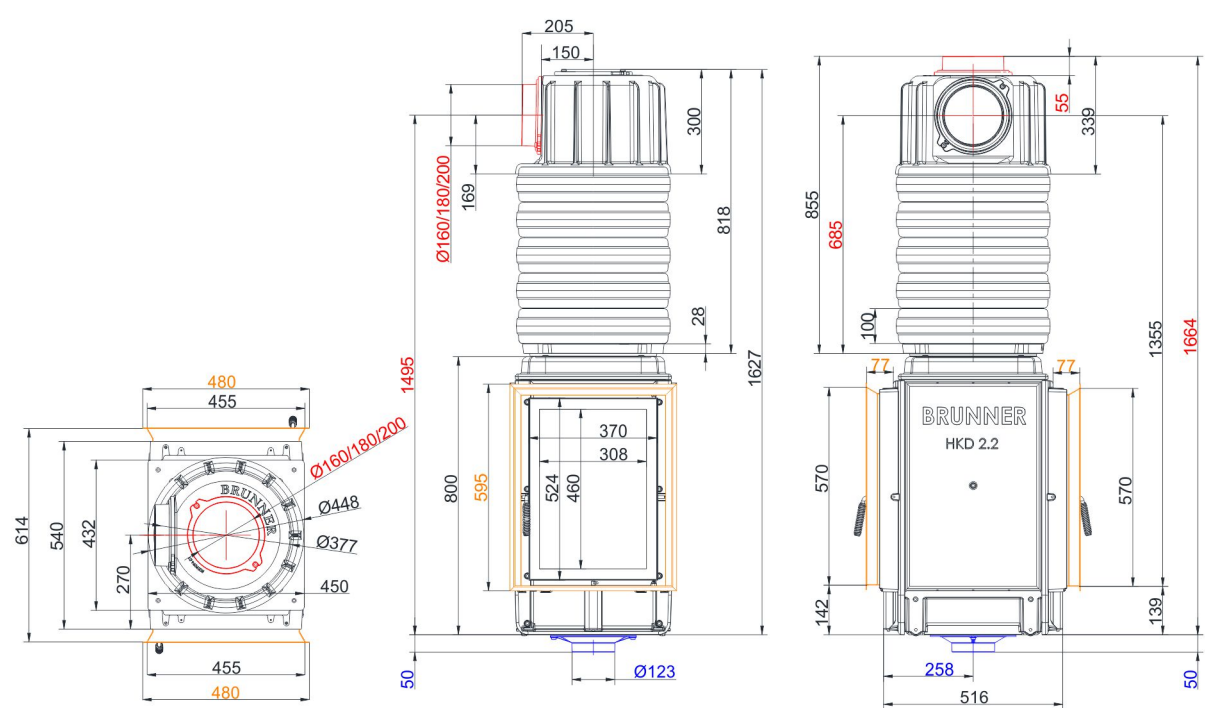
HKD 2.2 Tunnel

State: 2024-10-02



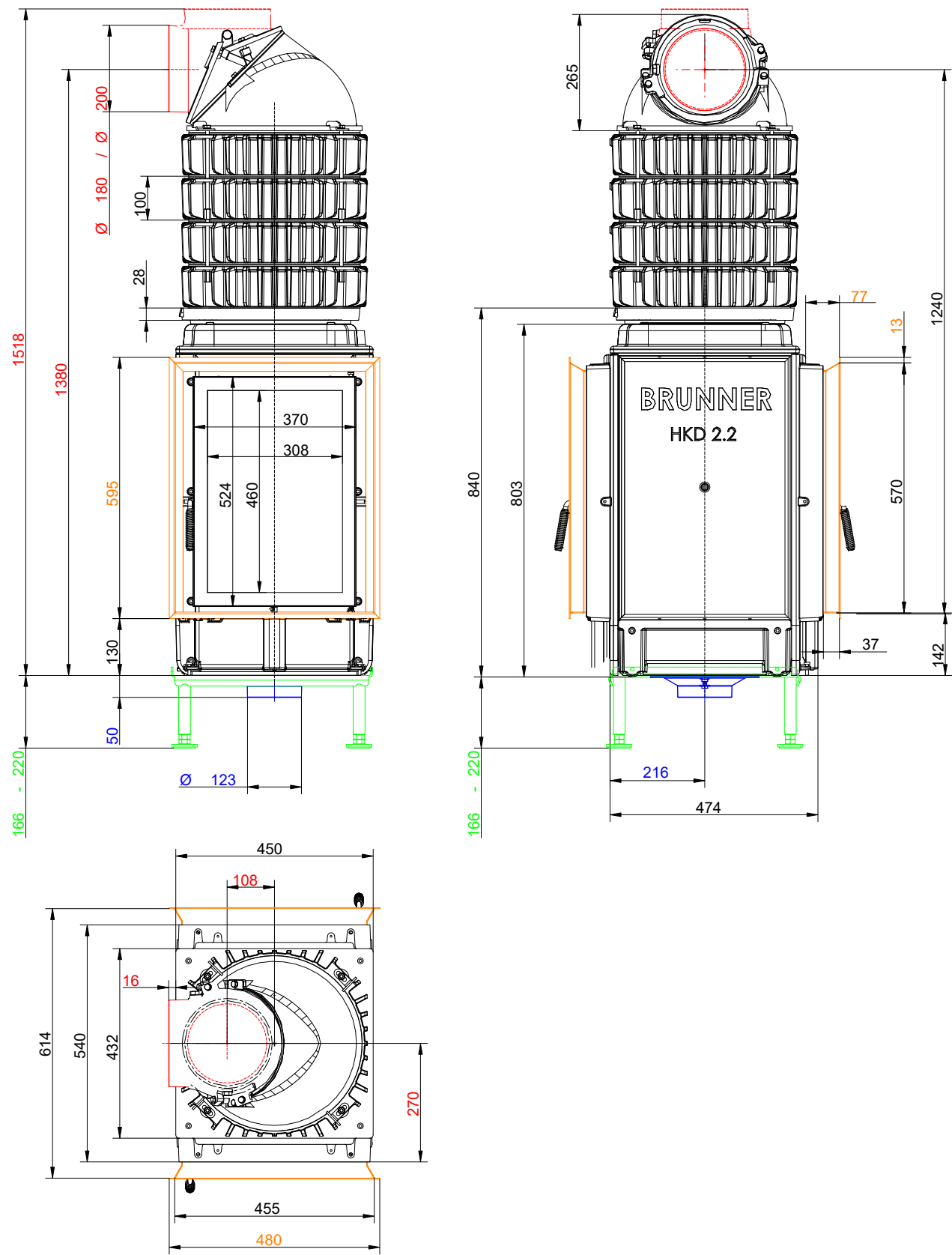
BRUNNER®

Dimension sheets - HKD 2.2 Tunnel



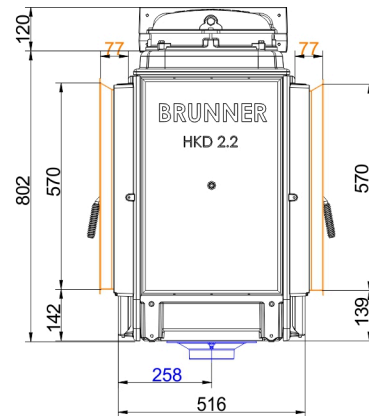
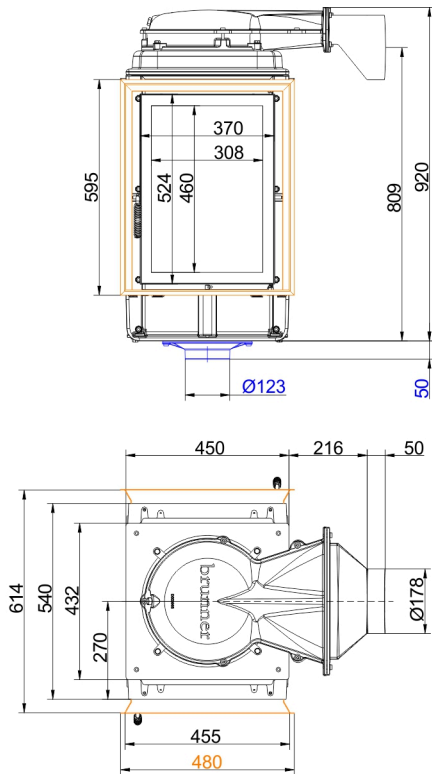
... flat with door frame and MAS

Dimension sheets - HKD 2.2 Tunnel

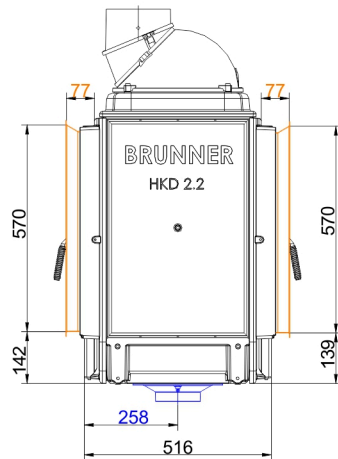
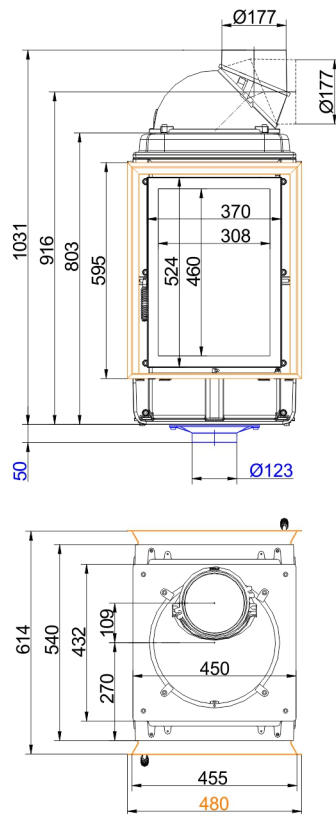


... flat with door frame and Heat exchanger rings

Dimension sheets - HKD 2.2 Tunnel

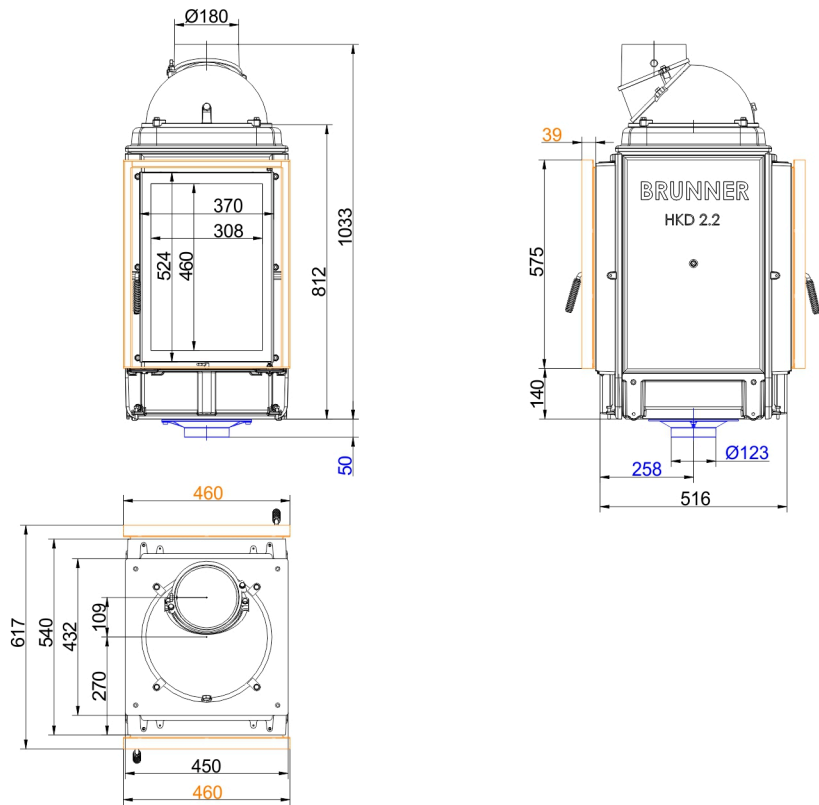


... door frame and cast iron dome low

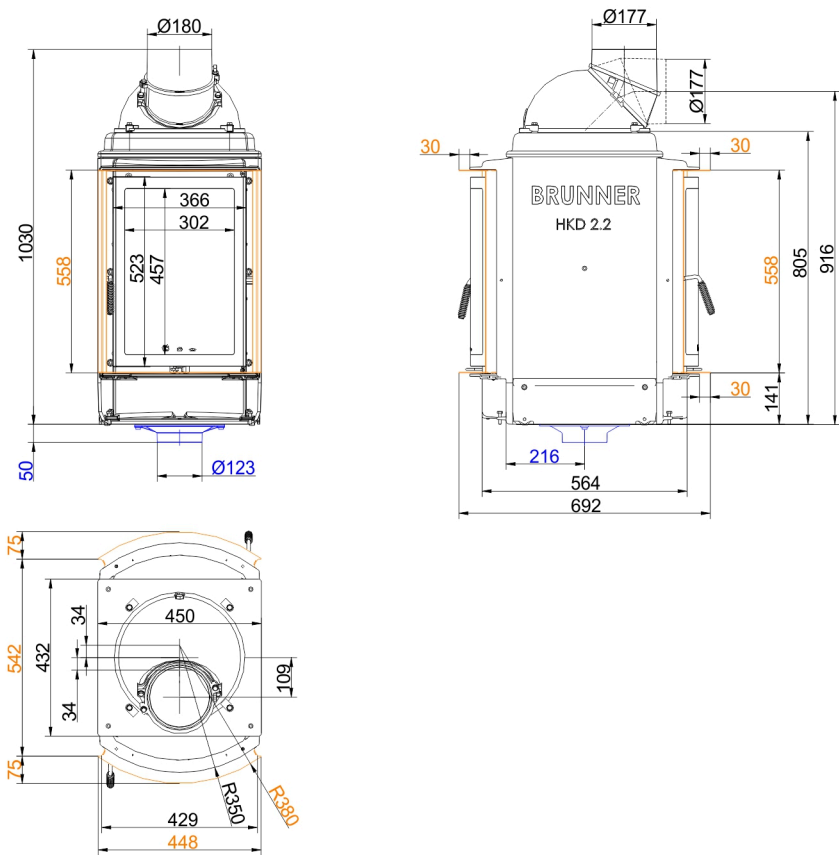


... flat with cast iron dome and steel door frame

Dimension sheets - HKD 2.2 Tunnel

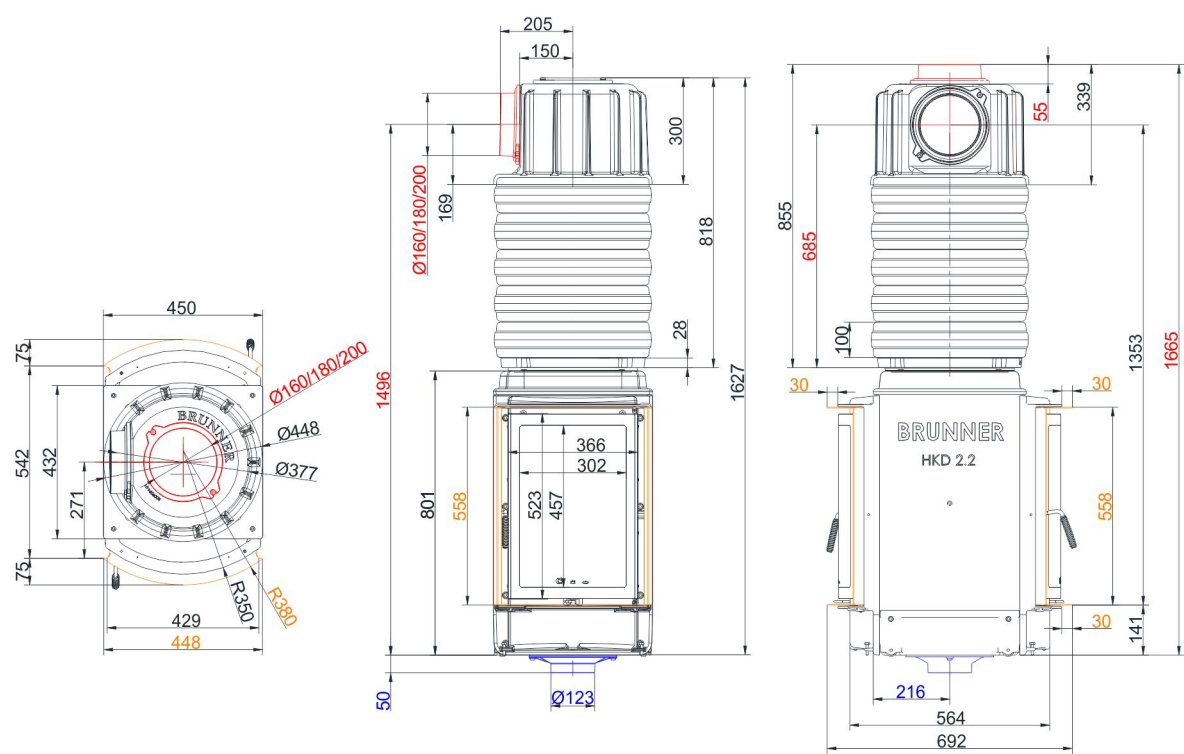


... flat with mounting frame made of raw steel



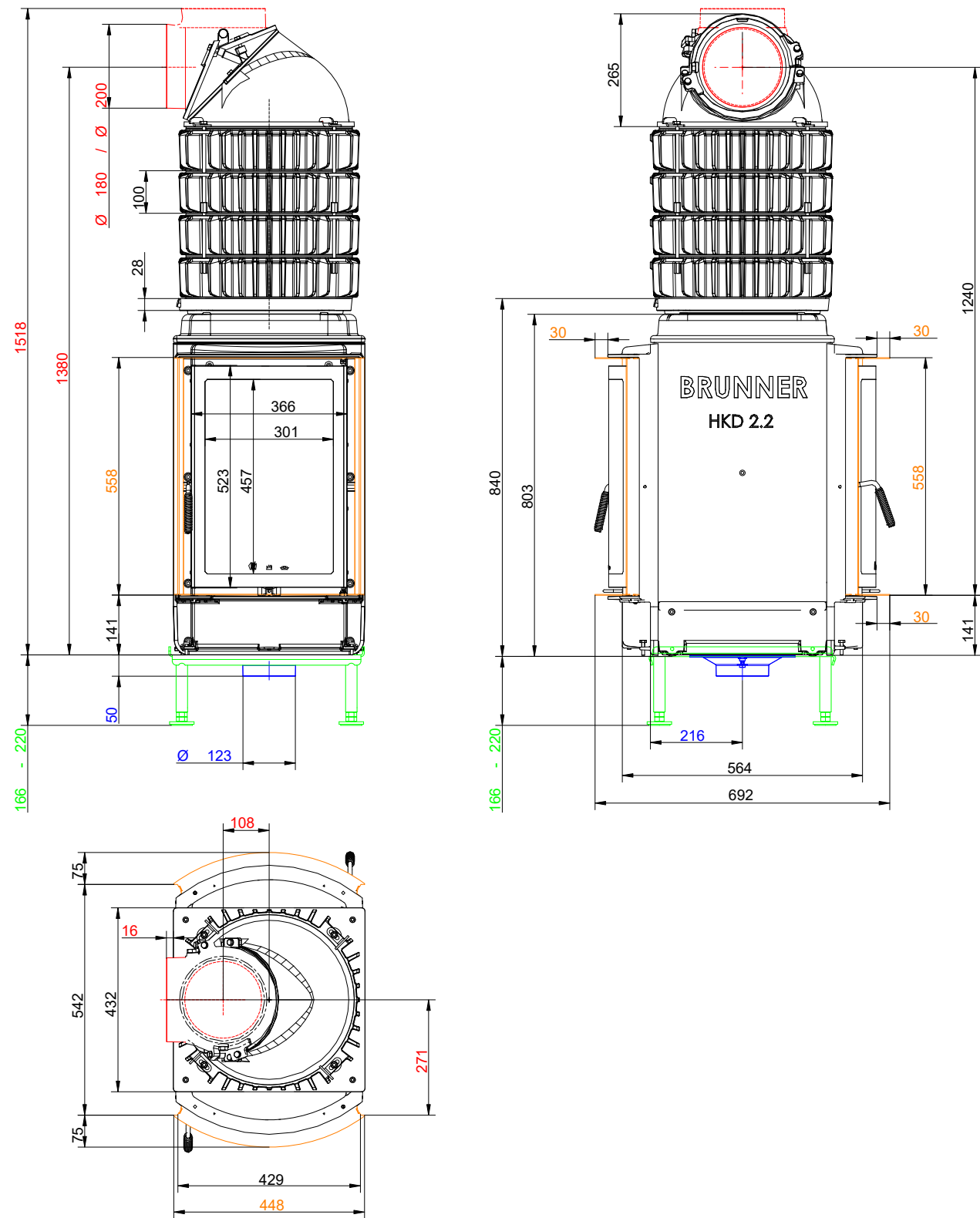
... round with cast iron dome and steel door frame

Dimension sheets - HKD 2.2 Tunnel



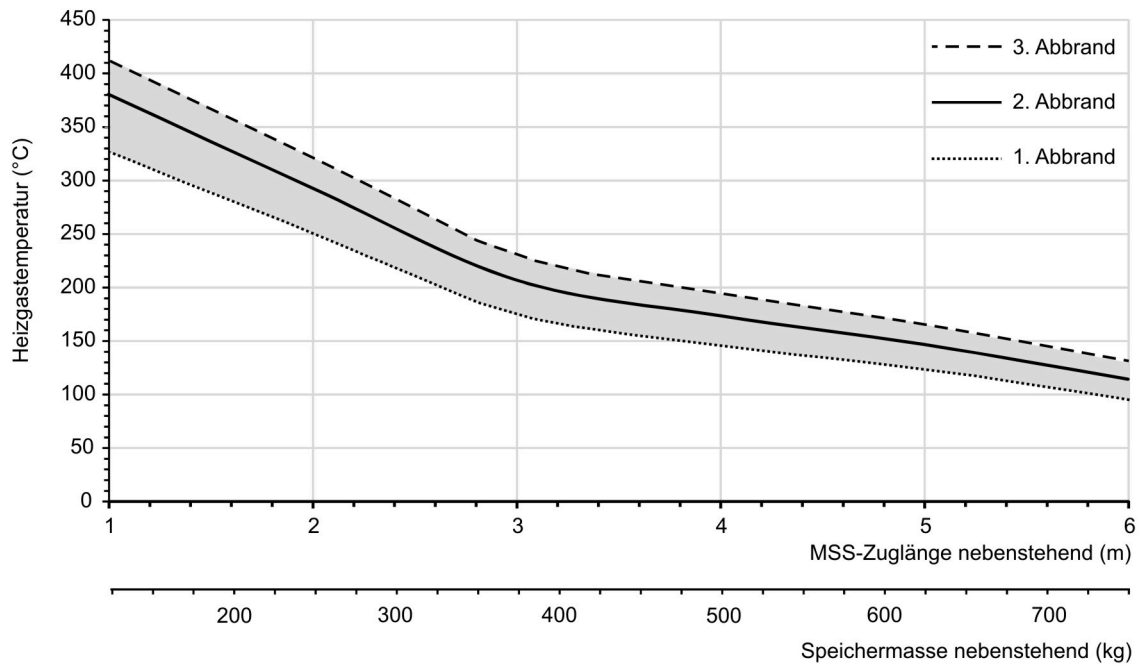
... round with door frame and MAS

Dimension sheets - HKD 2.2 Tunnel



...round with door frame and Heat exchanger rings

Dimension sheets - HKD 2.2 Tunnel



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 - HKD 2.2 Tunnel

Tested according to		EN 13229 W	EN 13229 WA
Values measured at		Rated power ¹⁾	Storage operation ²⁾
Suitable for all construction types according to rules		OK	OK
Data for functional demonstration			
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 ³⁾	°C	220	-
4,1 m ceramic accumulator ⁴⁾	°C	-	180
2,8 m accumulation stones (MSS) ⁴⁾	°C	-	215
Boiler module	°C	210	-
Necessary supply pressure	Pa	12	15
Combustion air consumption	m³/h	25	45
Combustion air connection Ø	mm	125	125
Heating gas temperature (before the hood/dome variant)			
cast iron dome	°C	480	520
Heat distribution			
Insert / reheating surface	%	40 / 30 - 35	40 / 30 - 35
Heat output			
Heating surface fireplace	m²	1.3	-
Smoke pipe	m²	0.5	-
GNF 10	pcs	1	-
Metalic reheating surface	m²	1.7	-
Cross-section of gratings ⁵⁾			
exhaust warm air	cm²	500 / 250 / 550	500 / 250 / 550
Recirculation air	cm²	500 / 250 / 550	500 / 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 ⁶⁾			
Mounting wall	cm	14 / 10	14 / 10
Floor	cm	0	0
Ceiling	cm	22 / 16	22 / 16
Brick lining for combustible wall	cm	10	10
Weight			
Fireplace / combustion chamber	kg	199 / 46	
Meets requirement/limit values for:			
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