

## TILE STOVE INSERTS FROM BRUNNER



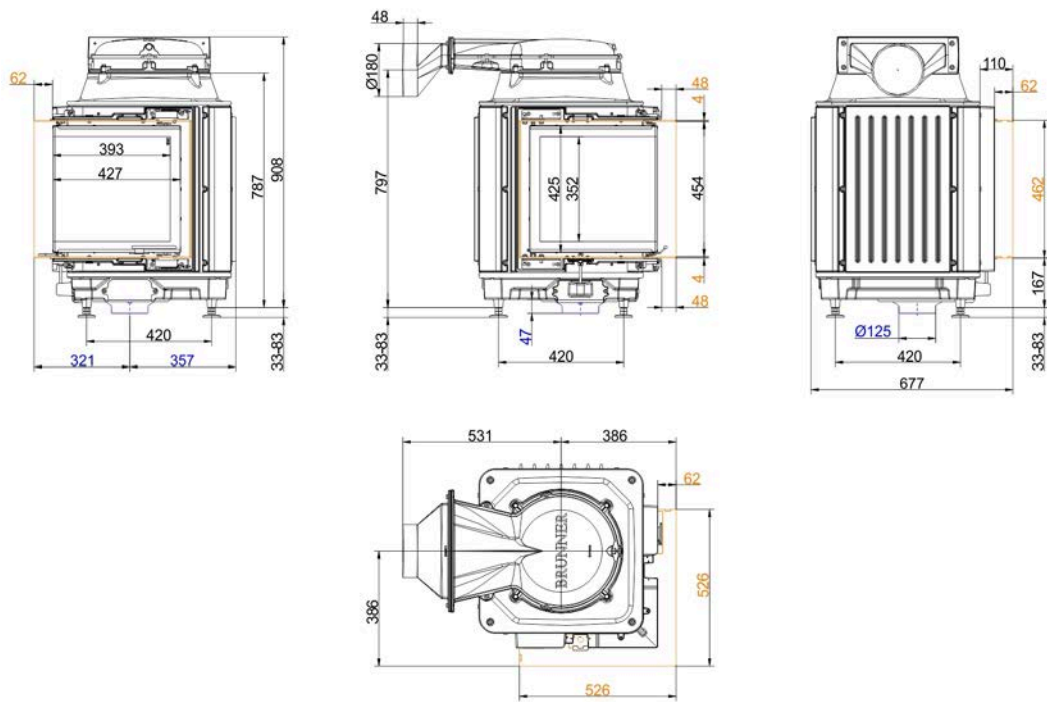
# HKD 12

State: 2024-10-30

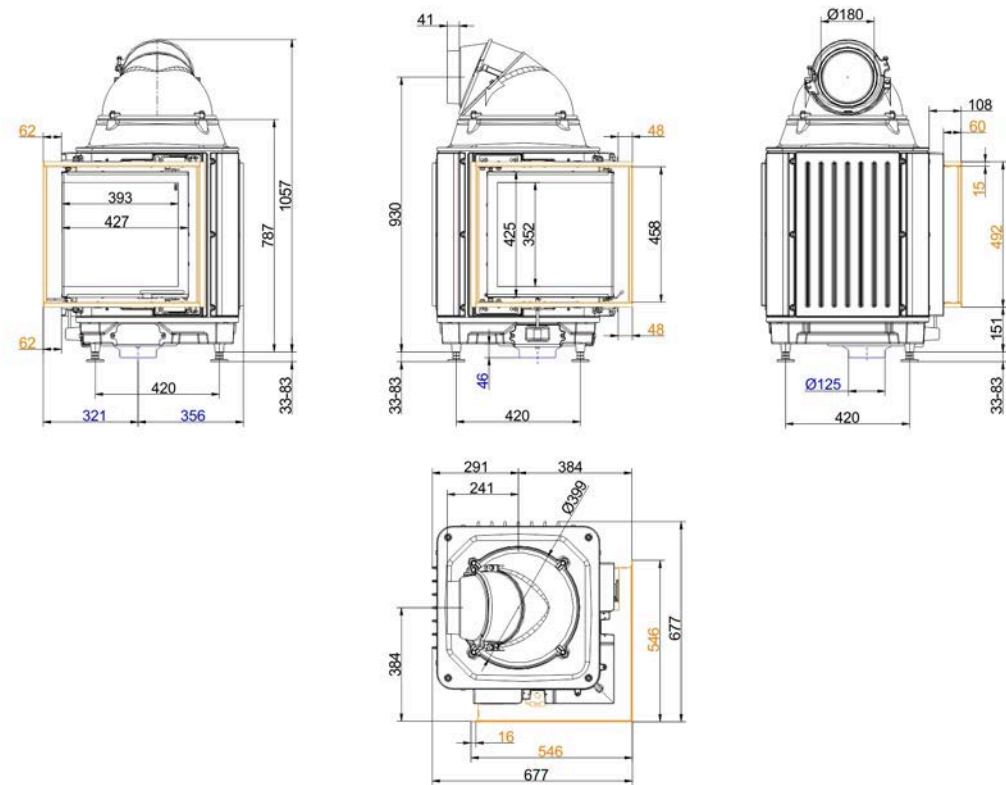


# BRUNNER®

Dimension sheets - HKD 12

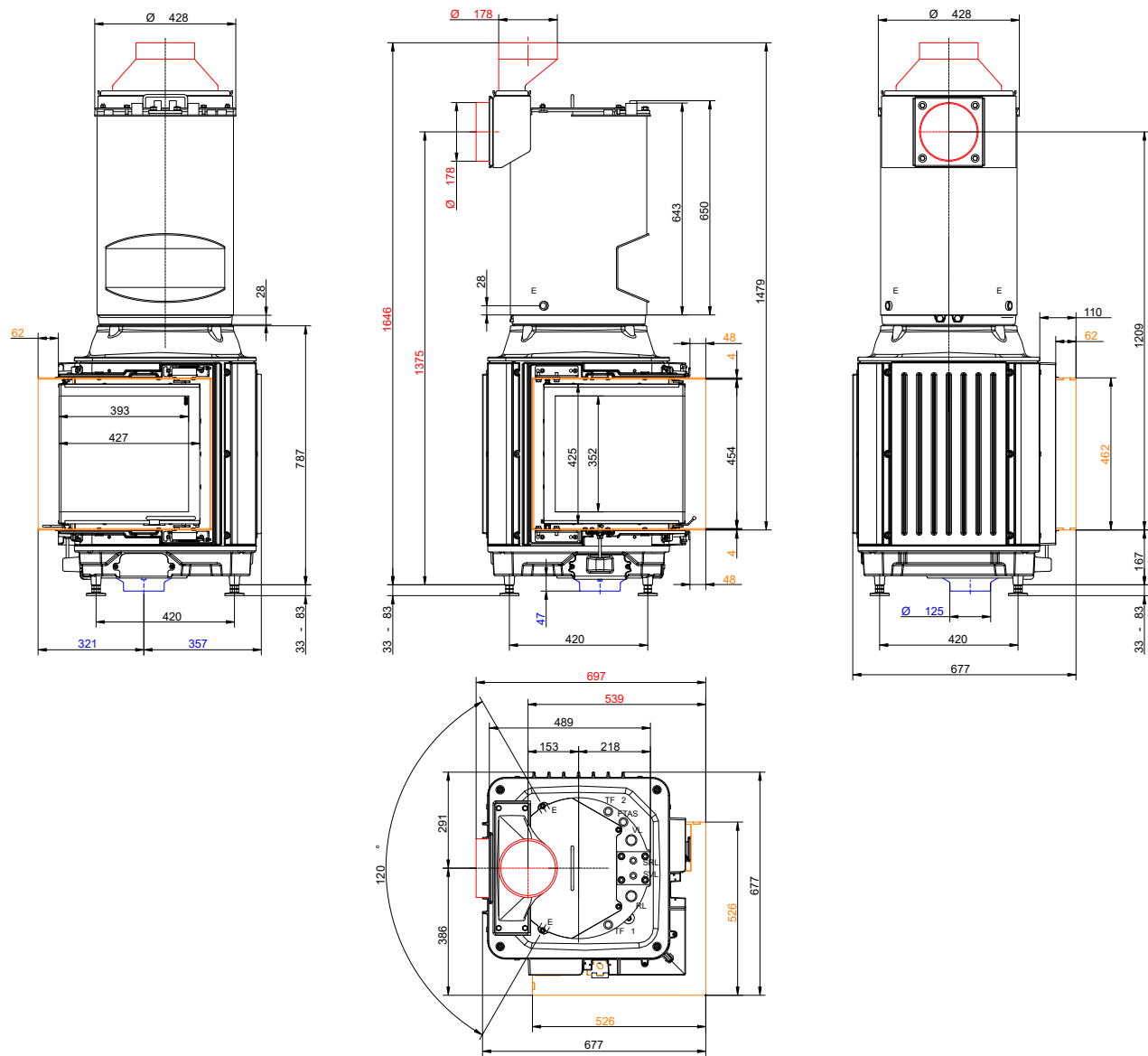


... mounting frame and cast iron dome low



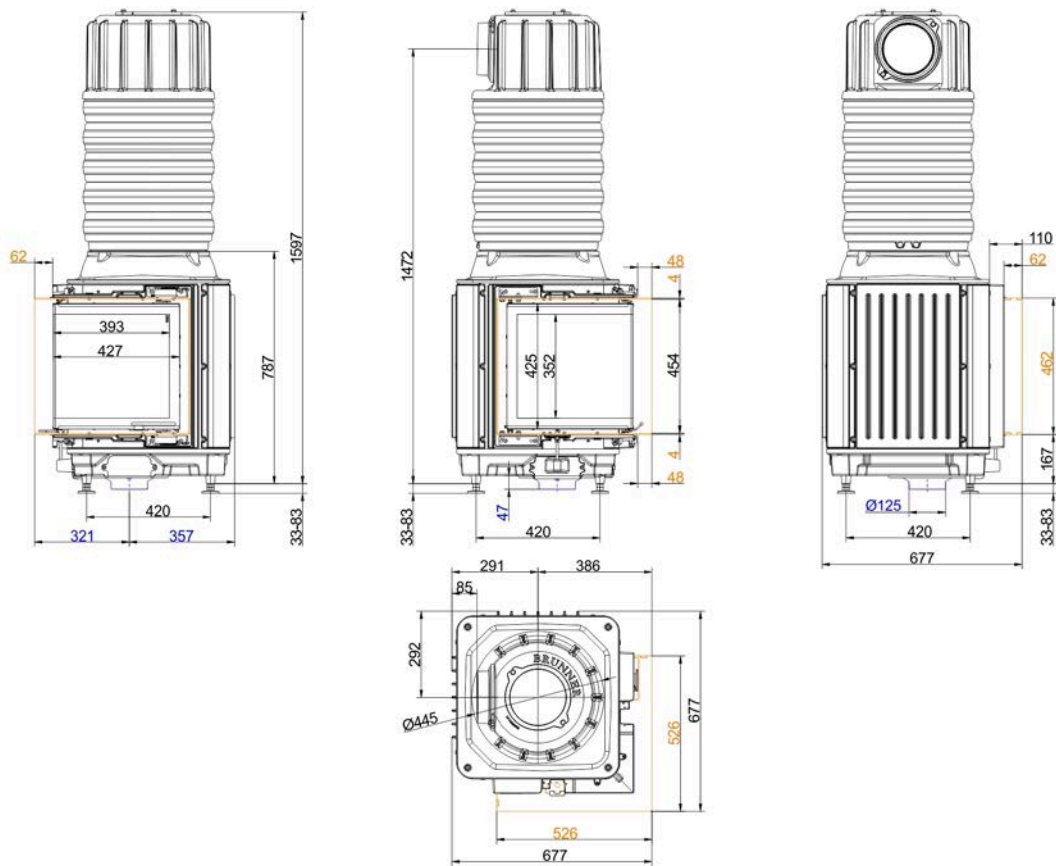
... door frame and cast iron dome

Dimension sheets - HKD 12

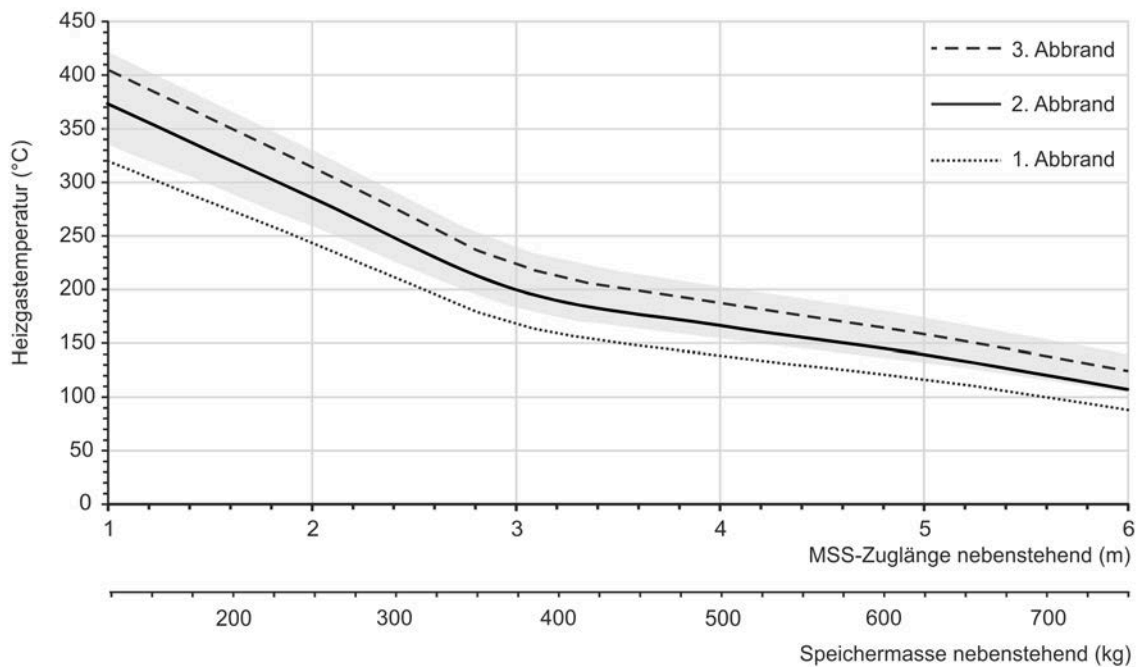


HKD 12 Door frame and Boiler module

## Dimension sheets - HKD 12



... mounting frame and MAS



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 12

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	2.8	5.0
Combustion performance	kW	11.0	19.0
Flue gas mass flow	g/s	10.0	18.0
Outlet temperature (before reheating surface)	°C	410	520
Flue gas temperature after:			
1 x adjoining cast iron radiator (GNF 8/10)	°C	200	230
4 x cast iron heat exchanger rings + dome	°C	-	220
5 x accumulation rings incl. MAS casted cover <sup>3)</sup>	°C	220	-
4,4 m ceramic accumulator <sup>4)</sup>	°C	-	180
3,0 m accumulation stones (MSS) <sup>4)</sup>	°C	-	190
Boiler module	°C	-	210
Necessary supply pressure	Pa	12	15
Combustion air consumption	m³/h	29	42
Combustion air connection Ø	mm	125	125
<b>Heating gas temperature (before the hood/dome variant)</b>			
cast iron dome	°C	430	490
<b>Heat distribution</b>			
Insert / reheating surface	%	40 / 35	40 / 35
<b>Cross-section of gratings <sup>5)</sup></b>			
exhaust warm air	cm²	700 / 300 / 500	700 / 300 / 500
Recirculation air	cm²	700 / 300 / 500	700 / 300 / 500
<b>Minimal distances of the fireplace</b>			
to cladding, insulation layer	cm	8	8
to mounting floor	cm	6	6
<b>Thermal insulation without / with air gratings <sup>6)</sup></b>			
Mounting wall	cm	14 / 12	14 / 12
Floor	cm	0	0
Ceiling	cm	19 / 15	19 / 15
Brick lining for combustible wall	cm	10	10
<b>Weight</b>			
Fireplace / combustion chamber	kg	170 / 38	
<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) Fire safety: values determined with air cross-sections evaluated by safety testing; stove cladding is heat emitting. Insulation material data with reference insulation material (mineral wool according to AGI Q 132).