

## TILE STOVE INSERTS FROM BRUNNER



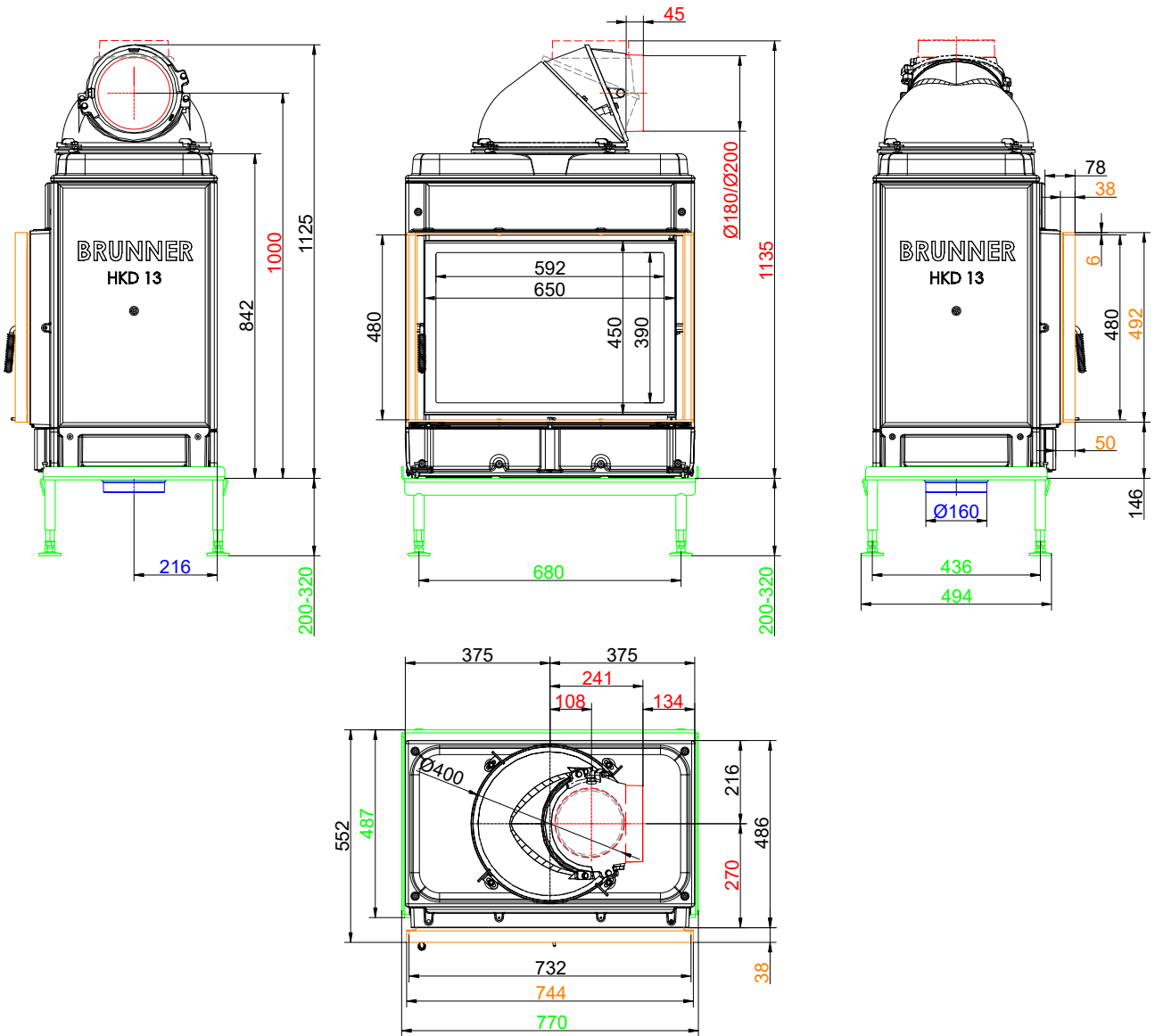
### HKD 13 green

State: 2023-08-29



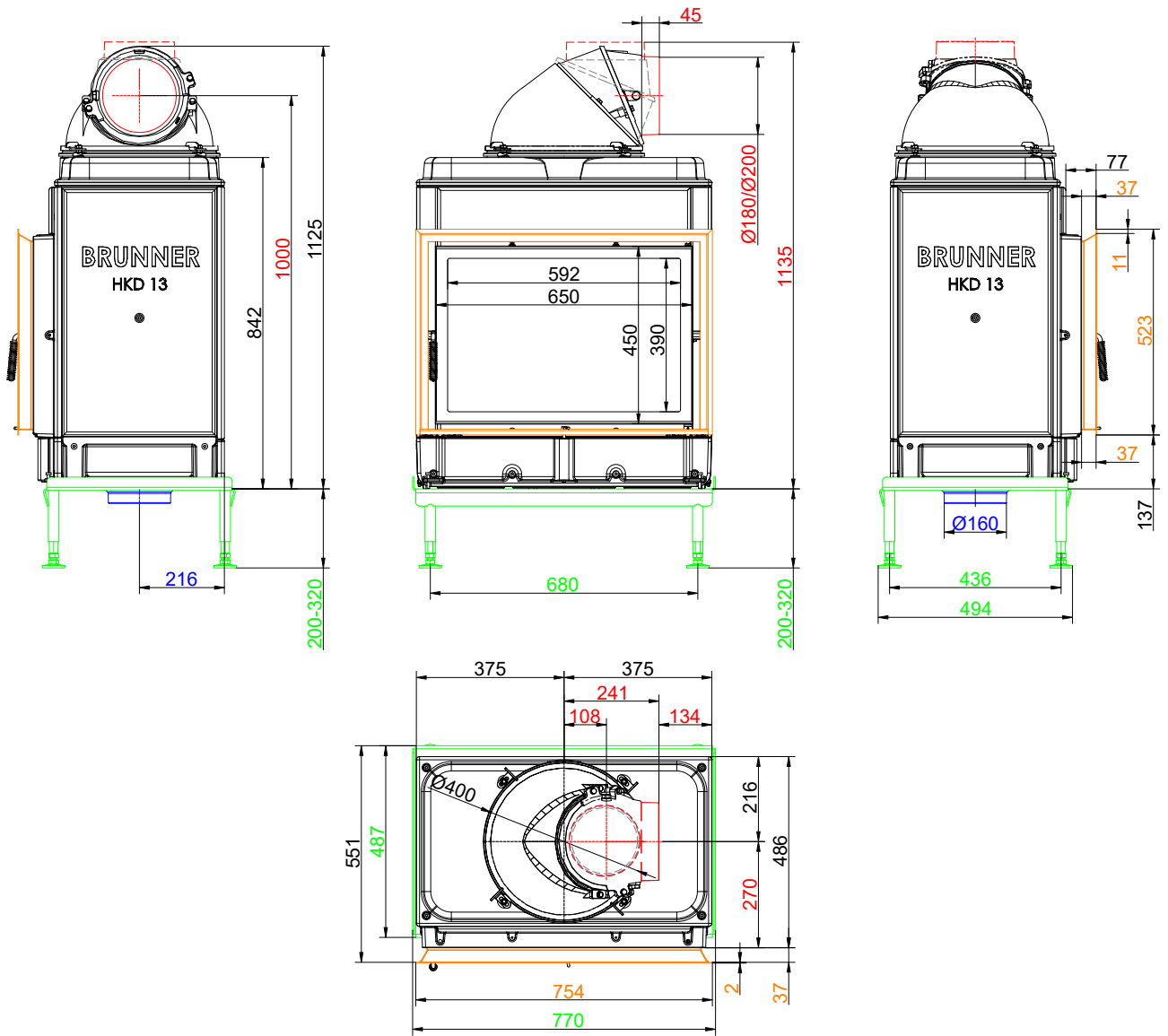
**BRUNNER**<sup>®</sup>  
*made in germany.*

# Dimension sheets - HKD 13 green



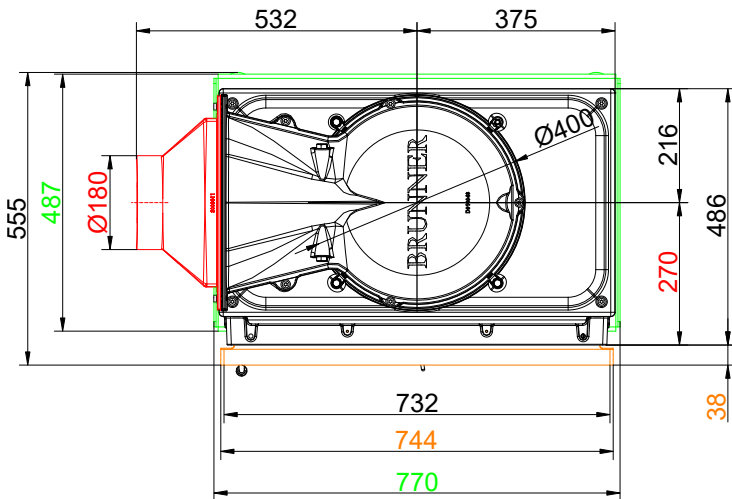
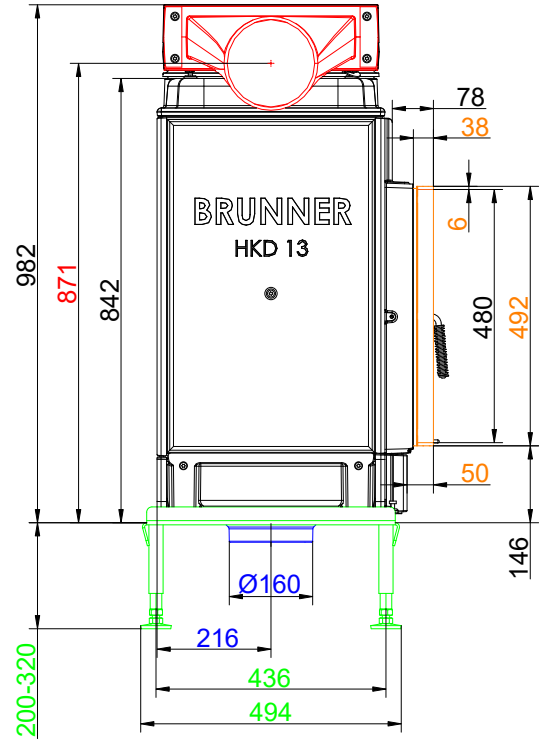
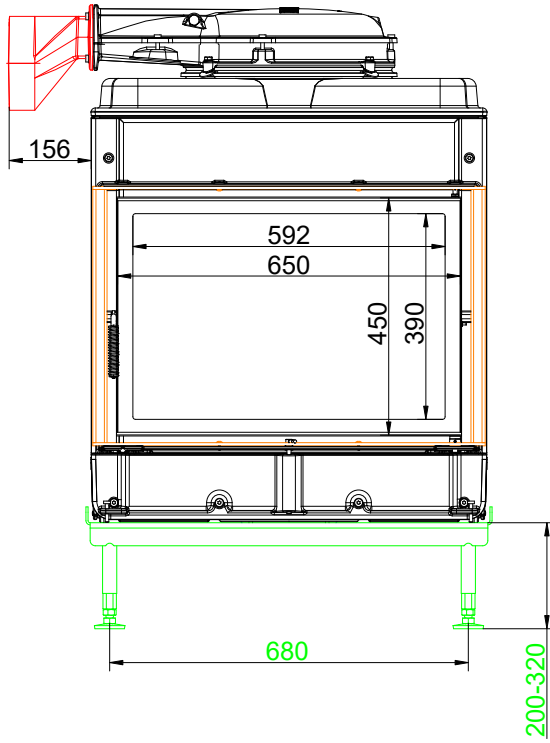
... mounting frame with cast iron dome

# Dimension sheets - HKD 13 green



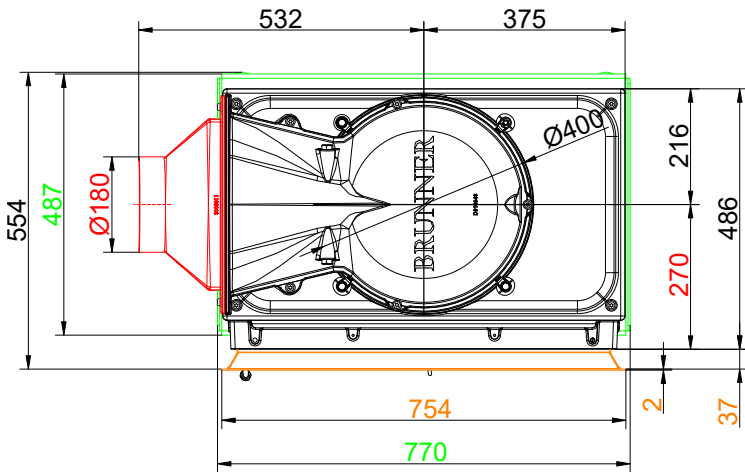
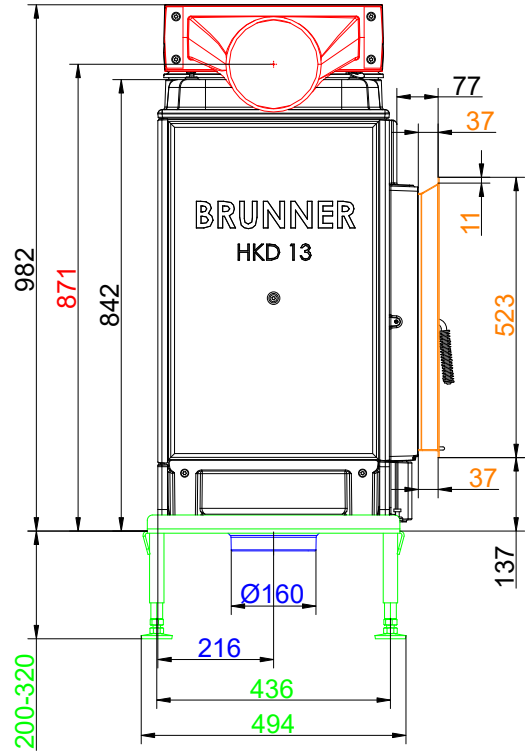
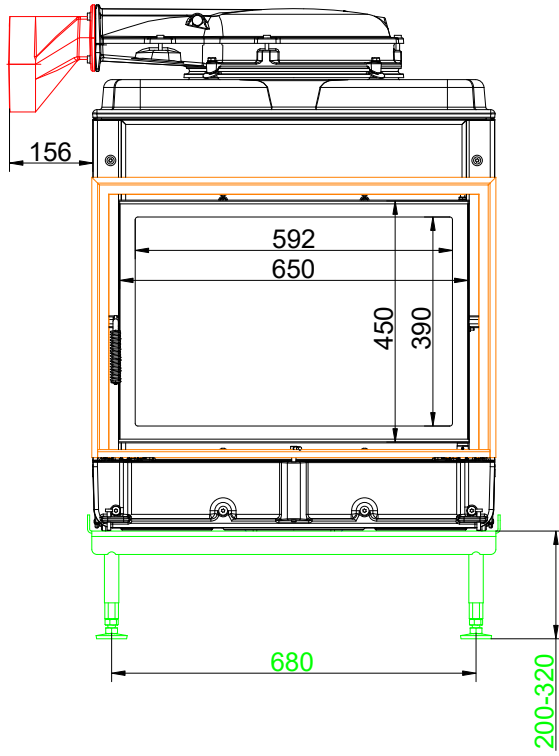
... with door frame and cast iron dome

# Dimension sheets - HKD 13 green



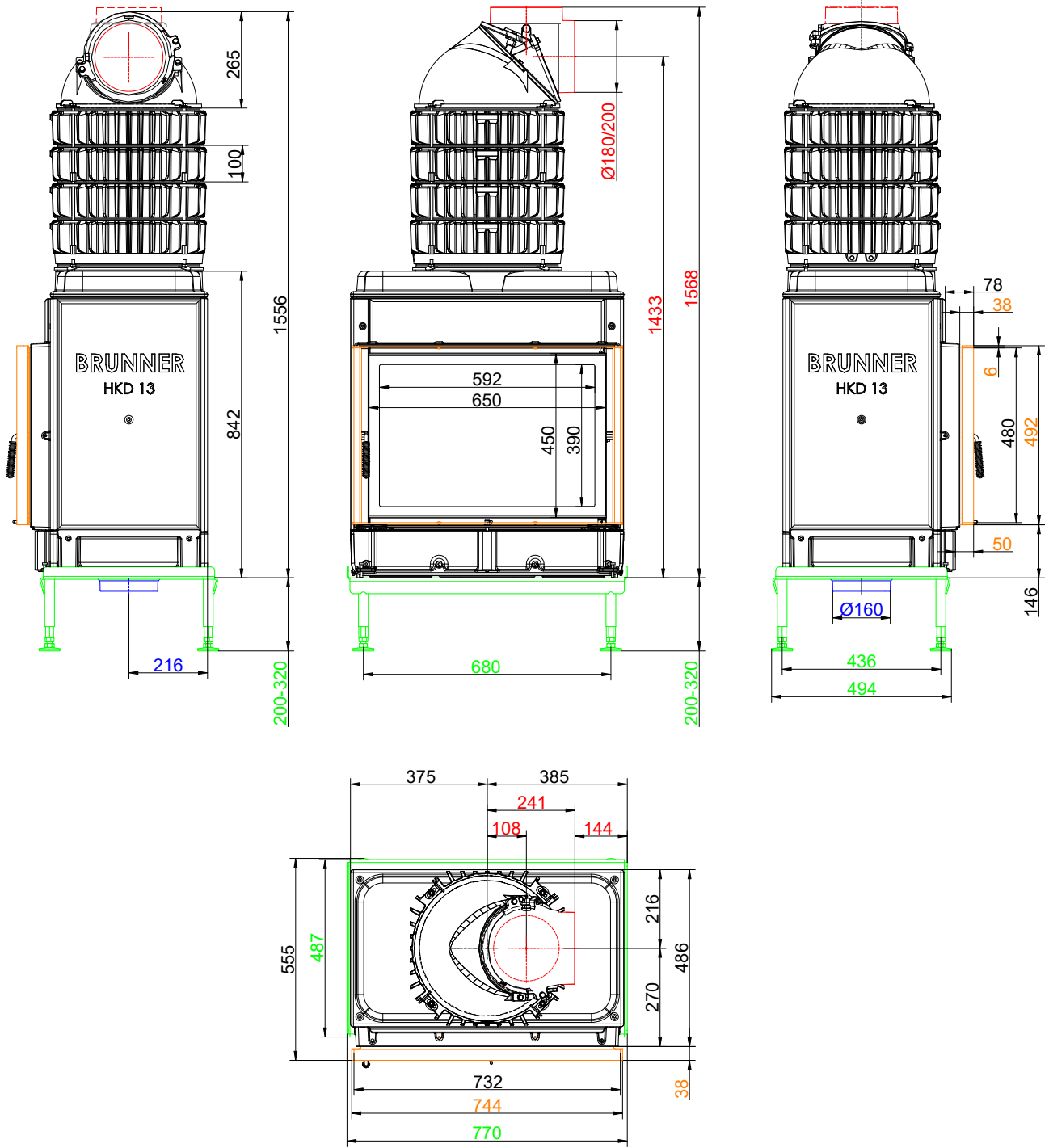
... mounting frame with cast iron dome low

# Dimension sheets - HKD 13 green



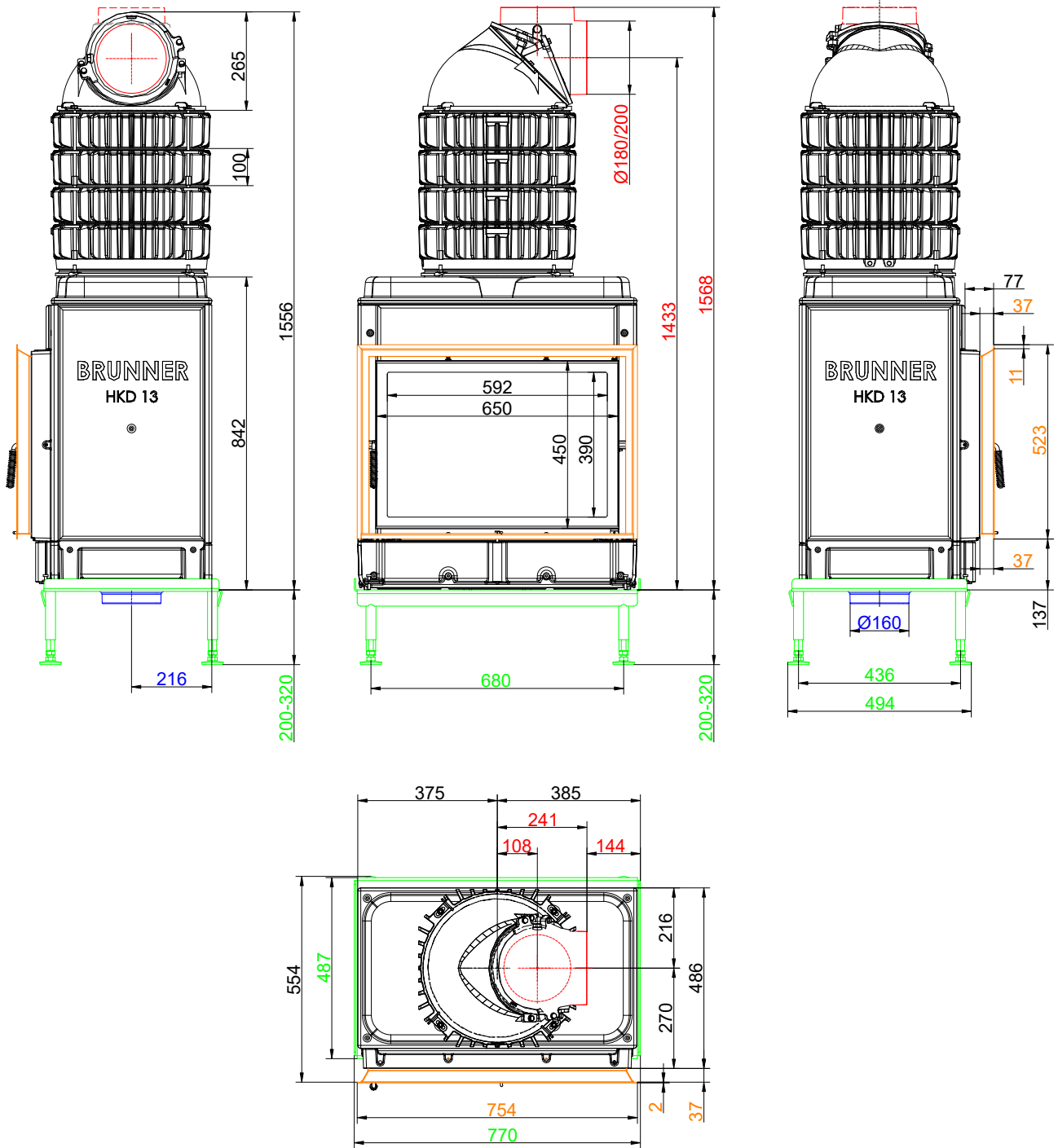
... with door frame and low cast iron dome

# Dimension sheets - HKD 13 green



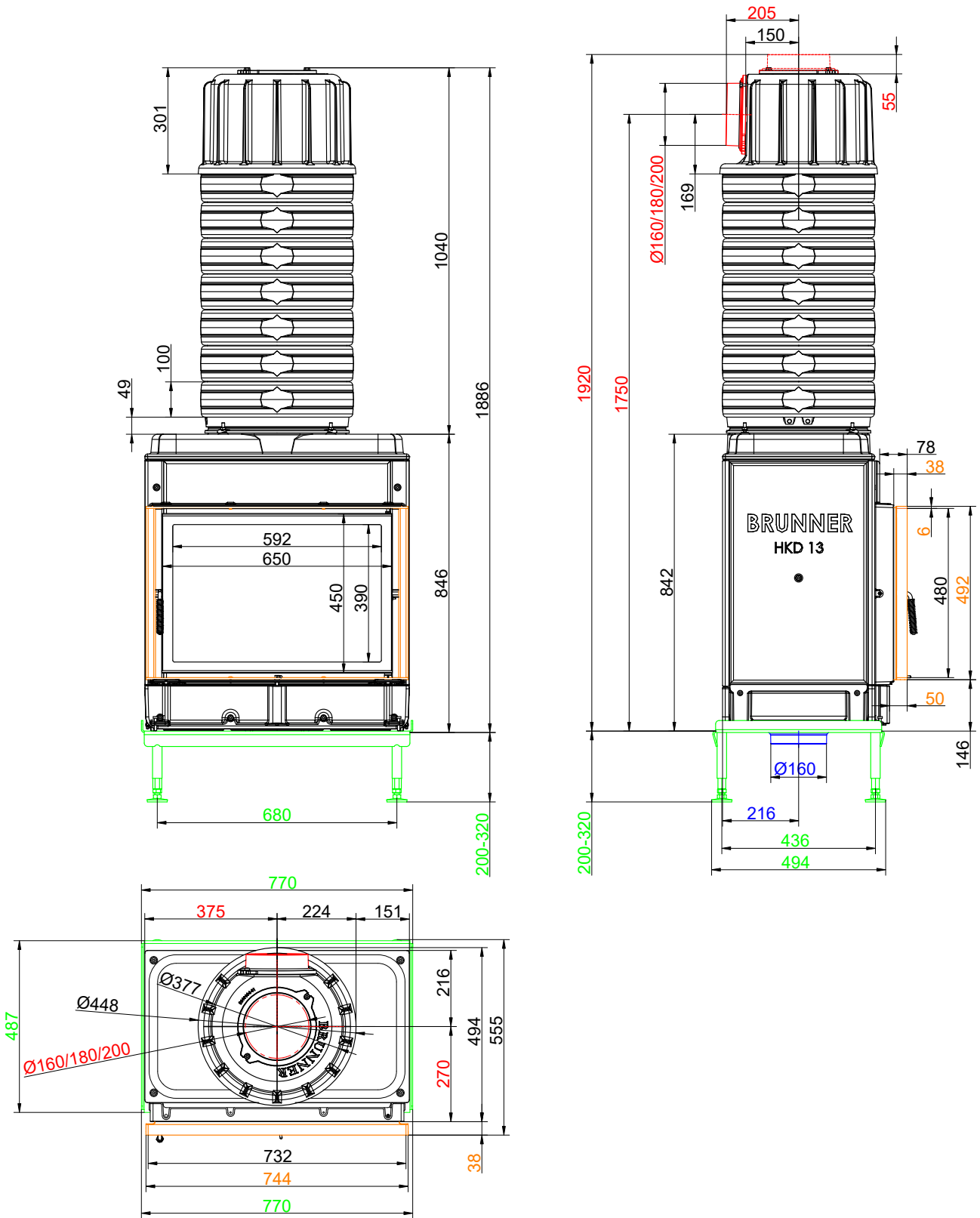
... Mounting frame and cast iron heat exchanger rings + dome

# Dimension sheets - HKD 13 green



... Door frame and cast iron heat exchanger rings + dome

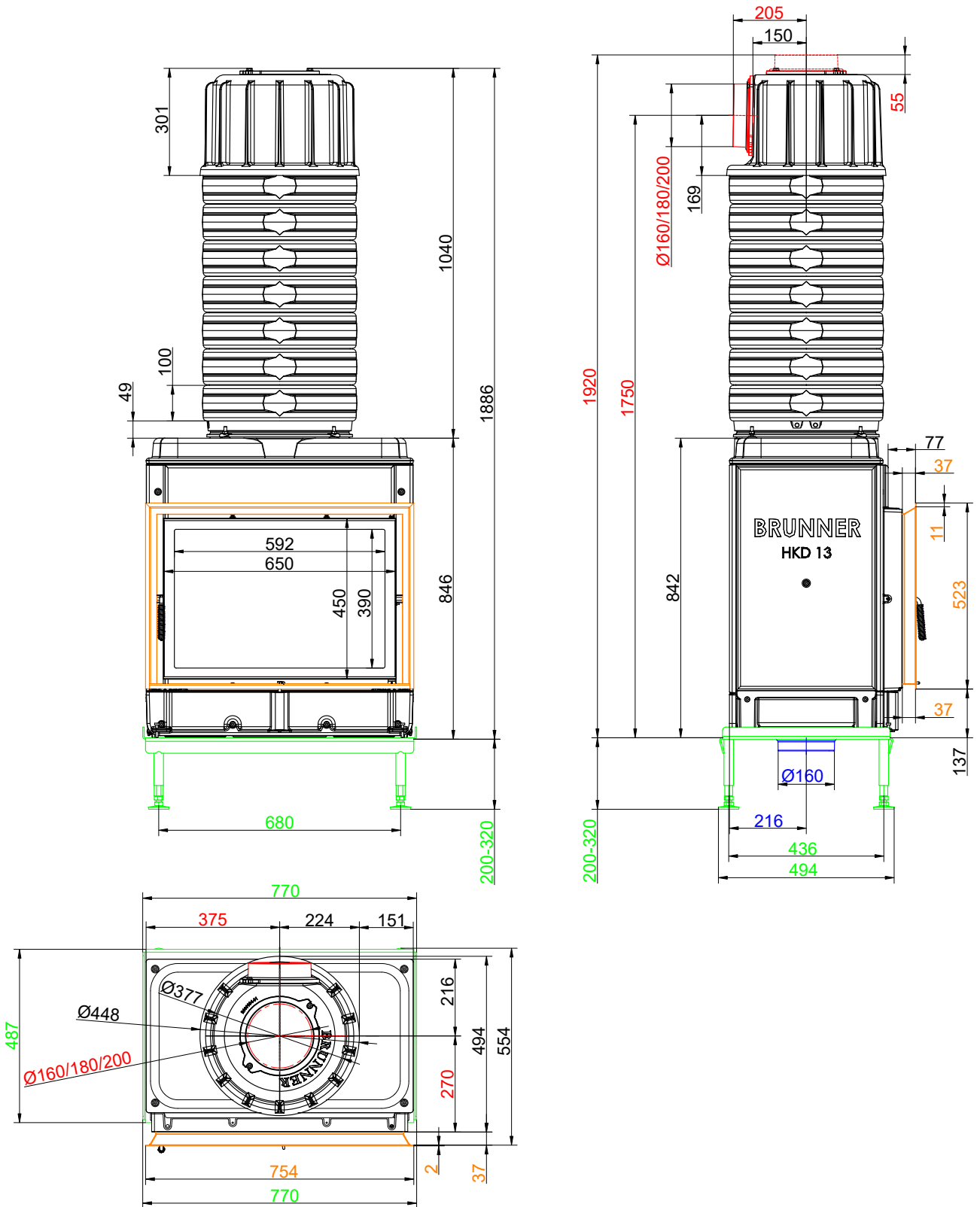
# Dimension sheets - HKD 13 green



... mounting frame with MAS

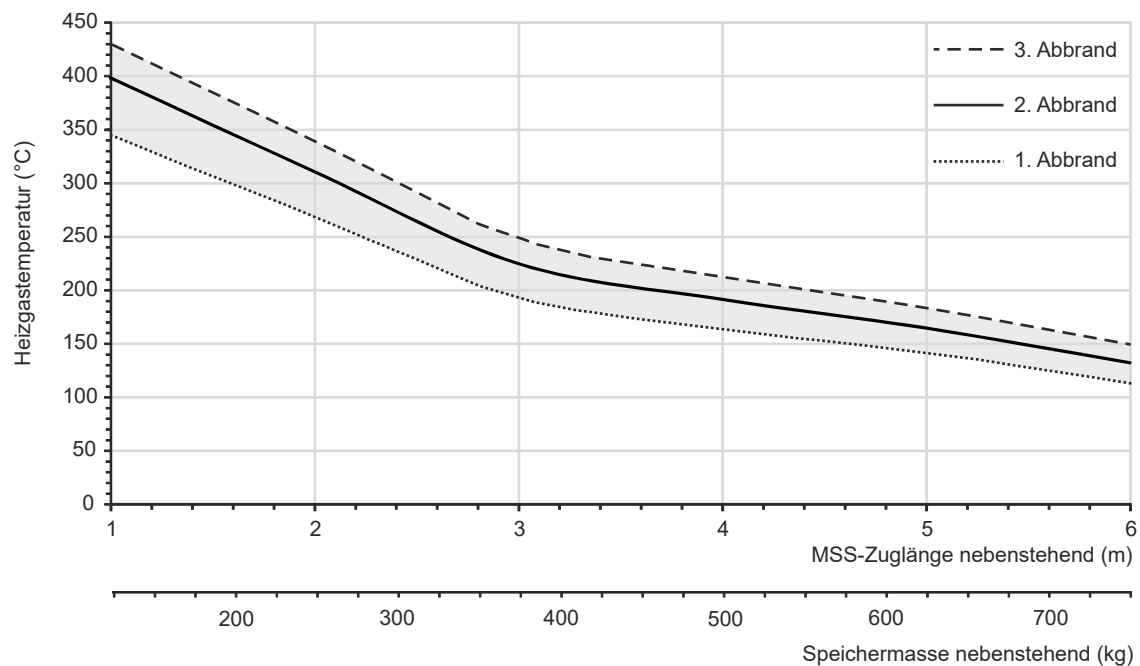


# Dimension sheets - HKD 13 green



... with MAS and door frame

## Dimension sheets - HKD 13 green



### 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 13 green

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	2.7	5.5
Combustion performance	kW	10.5	22
Flue gas mass flow	g/s	8.5	20
Outlet temperature (before reheating surface)	°C	460	540
Flue gas temperature after:			
1 x adjoining cast iron radiator (GNF 8/10)	°C	180	215
4 x cast iron heat exchanger rings + dome	°C	220	260
7 x accumulation rings incl. MAS casted cover <sup>3)</sup>	°C	220	-
4,9 m ceramic accumulator <sup>4)</sup>	°C	-	180
3,4 m accumulation stones (MSS) <sup>4)</sup>	°C	-	190
Necessary supply pressure	Pa	12	15
Combustion air consumption	m <sup>3</sup> /h	25	48
Flue gas pipe connection Ø	mm	180 / 200	180 / 200
Combustion air connection Ø	mm	125 / 160	125 / 160
<b>Heating gas temperature (before the hood/dome variant)</b>			
cast iron dome	°C	460	540
<b>Heat distribution</b>			
Insert / reheating surface	%	40 / 40	40 / 40
glass ceramic / glass ceramic coated (GKB)	%	25 / 20	25 / 20
<b>Cross-section of gratings <sup>5)</sup></b>			
Convection air	cm <sup>2</sup>	700 / 300 / 500	700 / 300 / 500
Supply air	cm <sup>2</sup>	700 / 300 / 500	700 / 300 / 500
<b>Minimal distances of the fireplace</b>			
to cladding, insulation layer	cm	8	8
to mounting floor	cm	15	15
<b>Minimum insulation thickness without / with air gratings <sup>6)</sup></b>			
Mounting wall	cm	12 / 10	12 / 10
Floor	cm	0	0
Ceiling	cm	22 / 16	22 / 16
Brick lining for combustible wall	cm	10	10
<b>Minimum distances in front of the combustion chamber, glass ceramic / glass ceramic coated (GKB)</b>			
for combustible parts	cm	≥ 120 / ≥ 80	≥ 120 / ≥ 80
<b>Weight</b>			
Fireplace / combustion chamber	kg	229 / 78	
<b>Meets requirement/limit values for:</b>			
EU / Germany		Ökodesign / 1. BImSchV (Stufe 2)	

- 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/heating inserts / flue gas pipe / metallic reheating surface/if the specified nominal heat output is required as the heating output.
- 6) Values determined with air cross-sections evaluated by testing; stove cladding is heat emitting.