

TILE STOVE INSERTS FROM BRUNNER



HKD 13 Tunnel green

State: 2023-08-29



BRUNNER[®]
made in germany.

Technical drawing of the BRUNNER HKD 13 machine, showing four views with dimensions in millimeters (mm).

Front View:

- Overall height: 1125
- Height to top of door: 1000
- Height to top of handle: 842
- Height to bottom of door: 492
- Height to bottom of handle: 146
- Height to bottom of base: 200-320
- Width: 308
- Width to center of door: 216
- Door width: 78
- Door thickness: 38
- Base width: 50

Top View:

- Overall width: 680
- Width to center of door: 592
- Width to center of handle: 650
- Width to center of base: 450
- Width to center of bottom handle: 390
- Overall depth: 1135
- Depth to top of door: 480
- Depth to top of handle: 180/200
- Depth to bottom of door: 45
- Depth to bottom of handle: 1135
- Depth to bottom of base: 200-320

Side View:

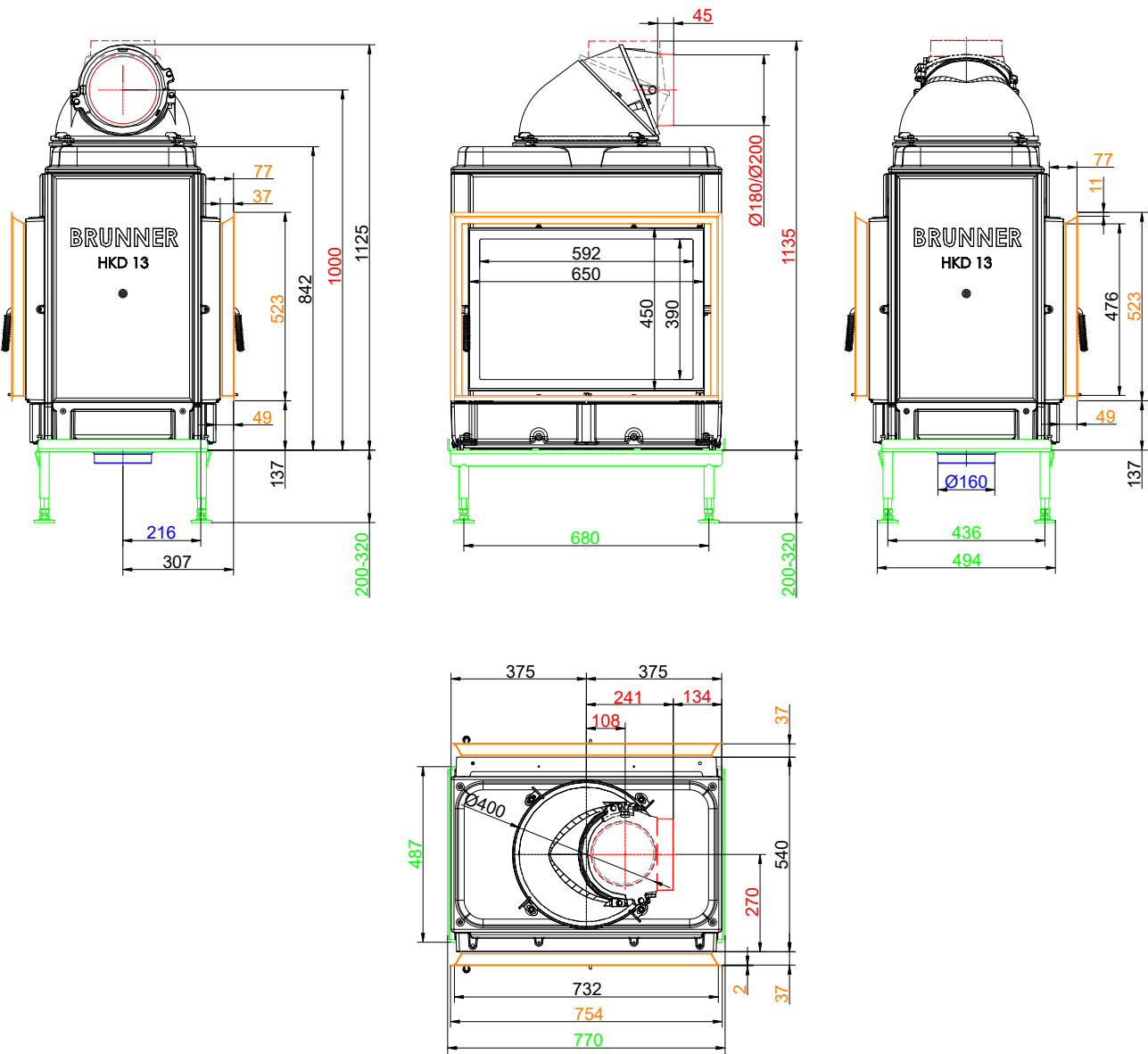
- Overall height: 1125
- Height to top of door: 1000
- Height to top of handle: 842
- Height to bottom of door: 492
- Height to bottom of handle: 146
- Height to bottom of base: 200-320
- Width: 308
- Width to center of door: 216
- Door width: 78
- Door thickness: 38
- Base width: 50

Rear View:

- Overall width: 770
- Width to center of door: 400
- Width to center of handle: 460
- Width to center of base: 450
- Width to center of bottom handle: 390
- Overall depth: 1135
- Depth to top of door: 480
- Depth to top of handle: 180/200
- Depth to bottom of door: 45
- Depth to bottom of handle: 1135
- Depth to bottom of base: 200-320

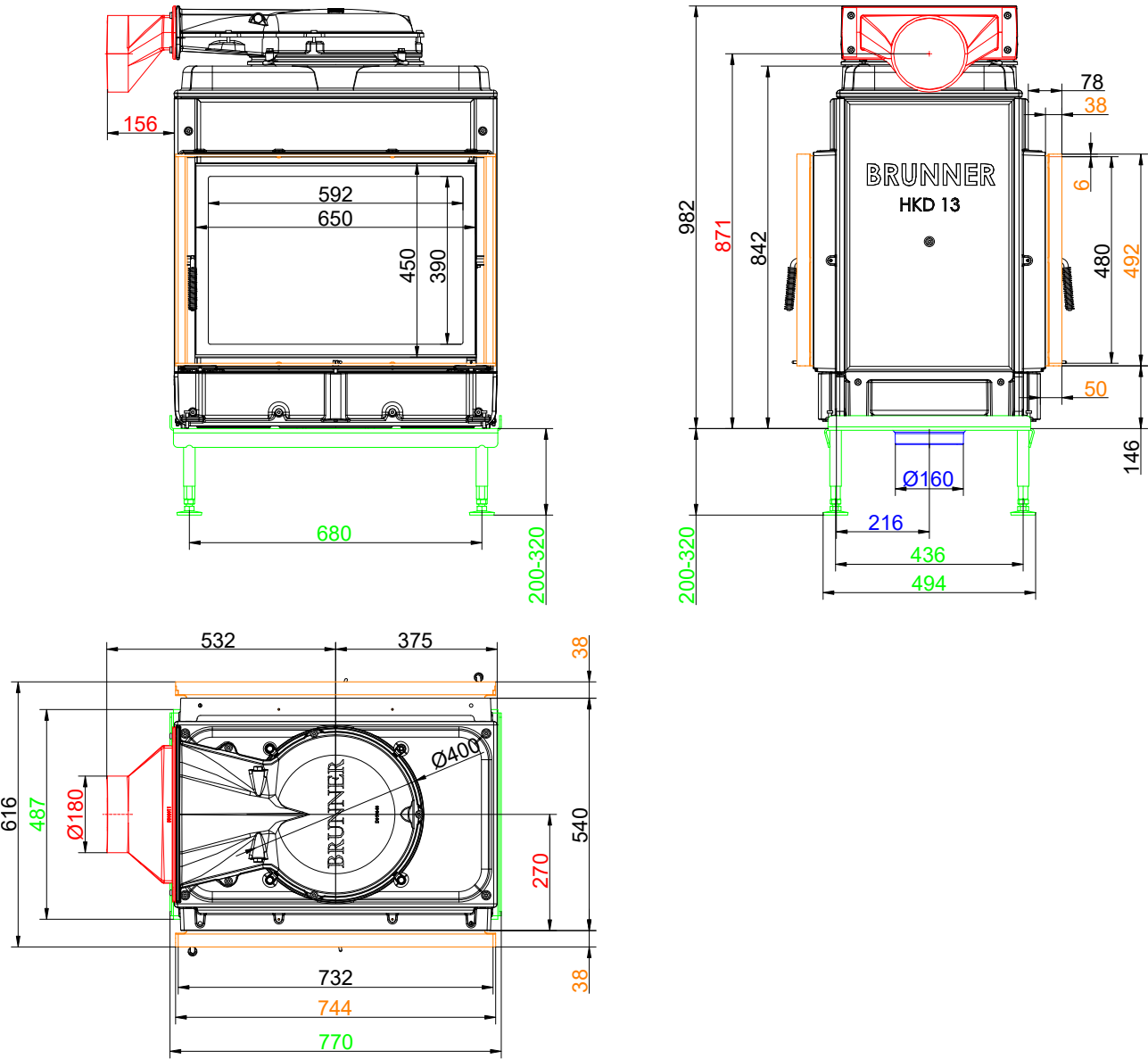
State: 2023-08-29

Dimension sheets - HKD 13 Tunnel green



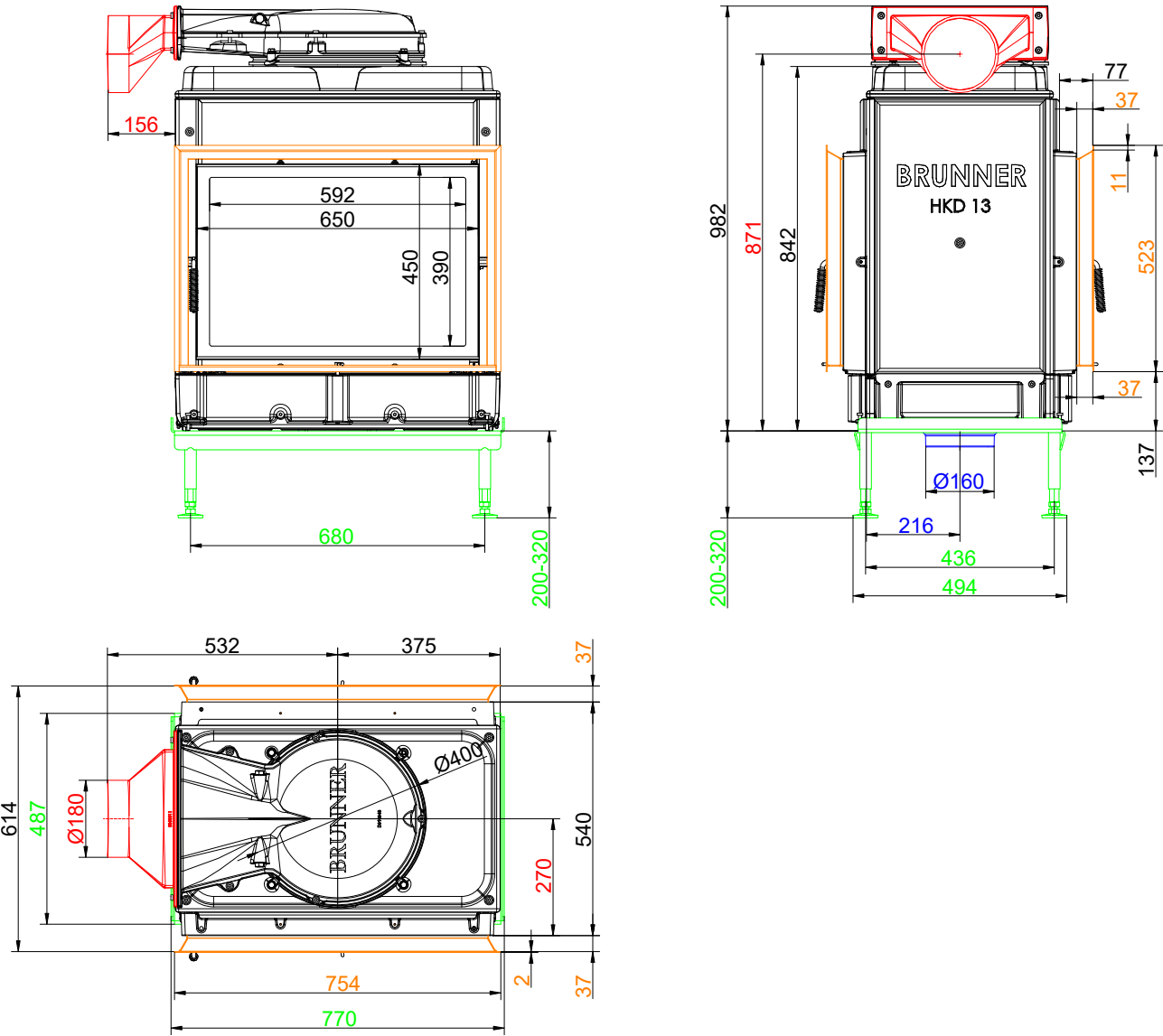
... with door frame and cast iron dome

Dimension sheets - HKD 13 Tunnel green



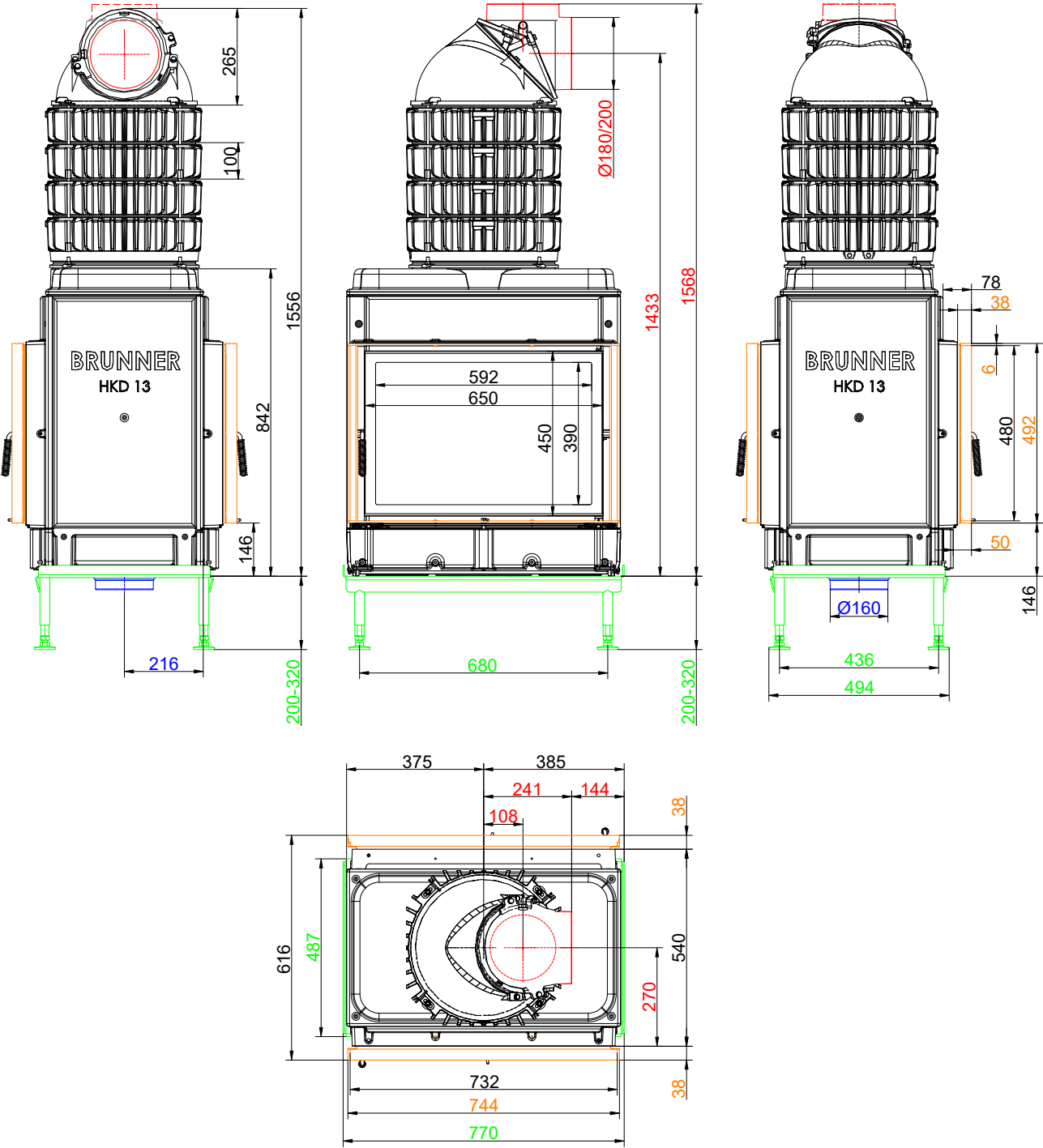
... mounting frame with cast iron dome low

Dimension sheets - HKD 13 Tunnel green



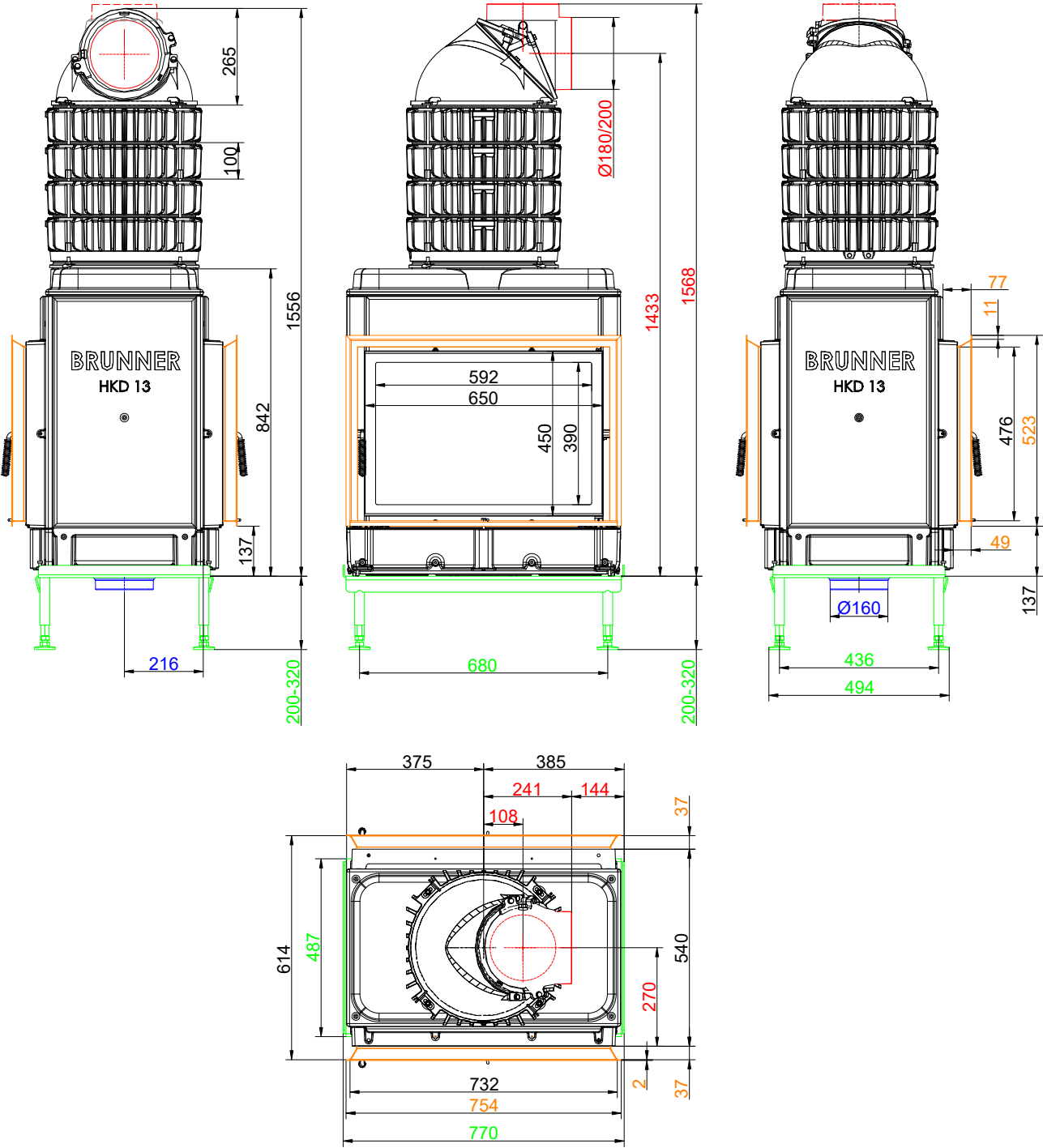
... with door frame and low cast iron dome

Dimension sheets - HKD 13 Tunnel green



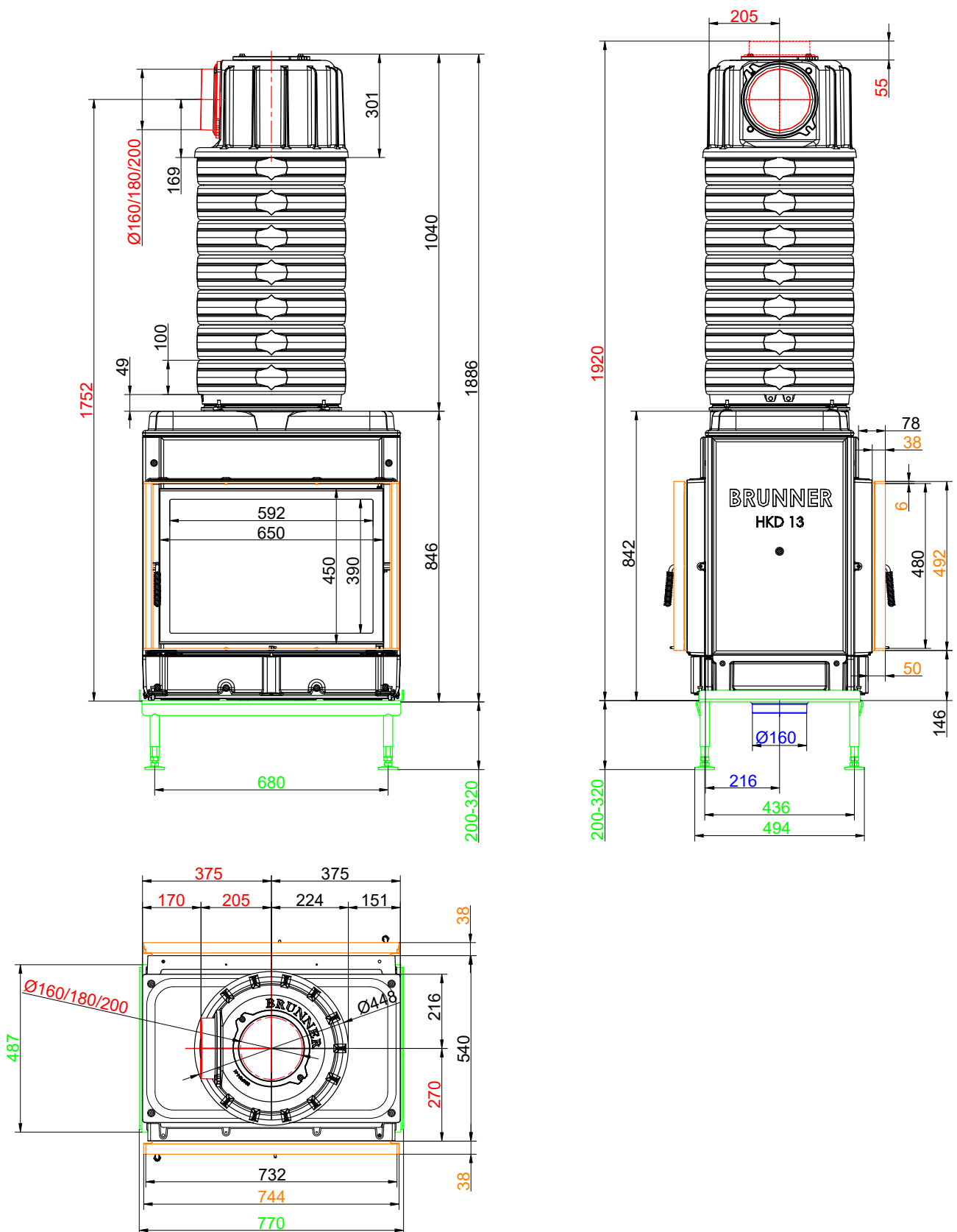
... Mounting frame and cast iron heat exchanger rings + dome

Dimension sheets - HKD 13 Tunnel green



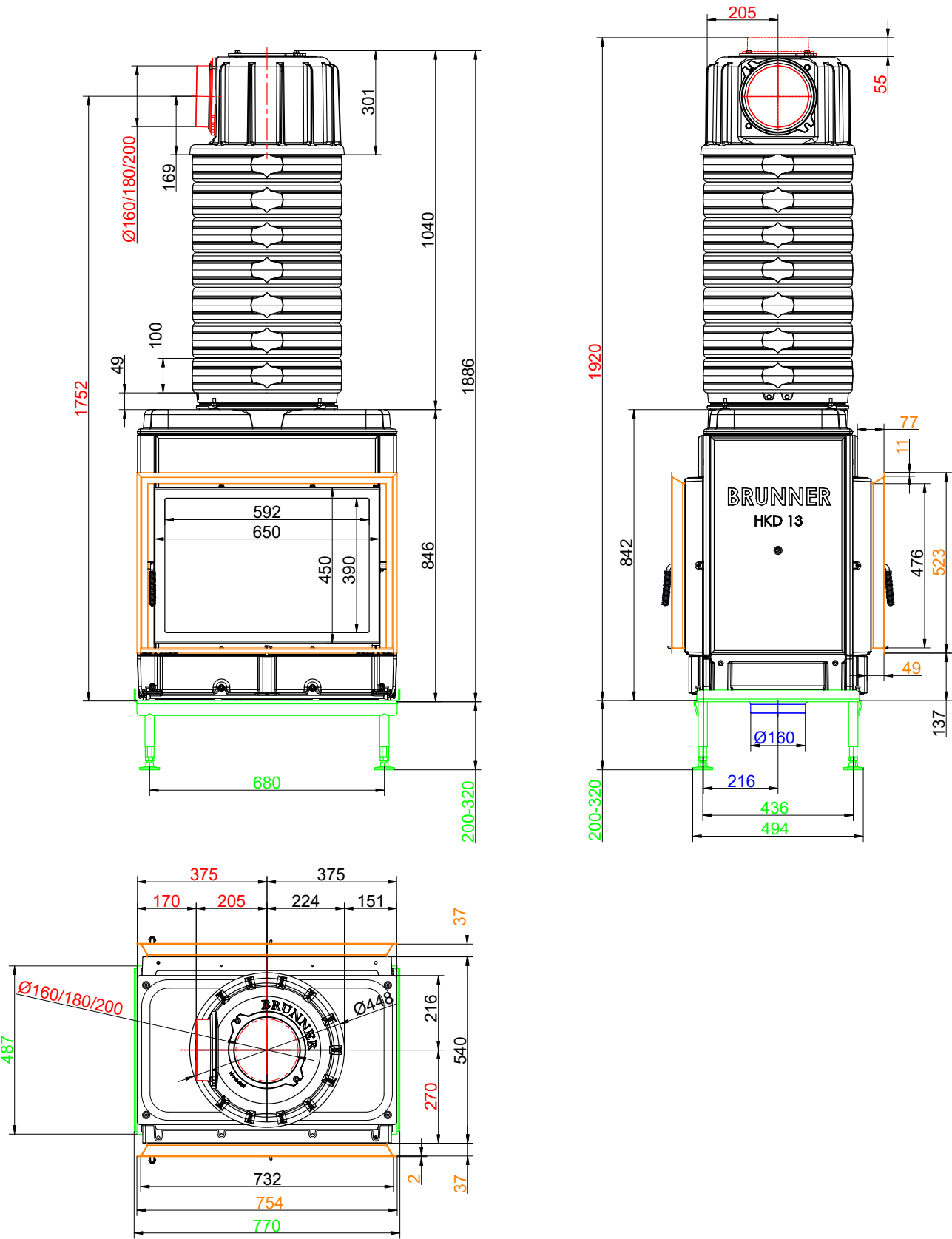
... Door frame and cast iron heat exchanger rings + dome

Dimension sheets - HKD 13 Tunnel green



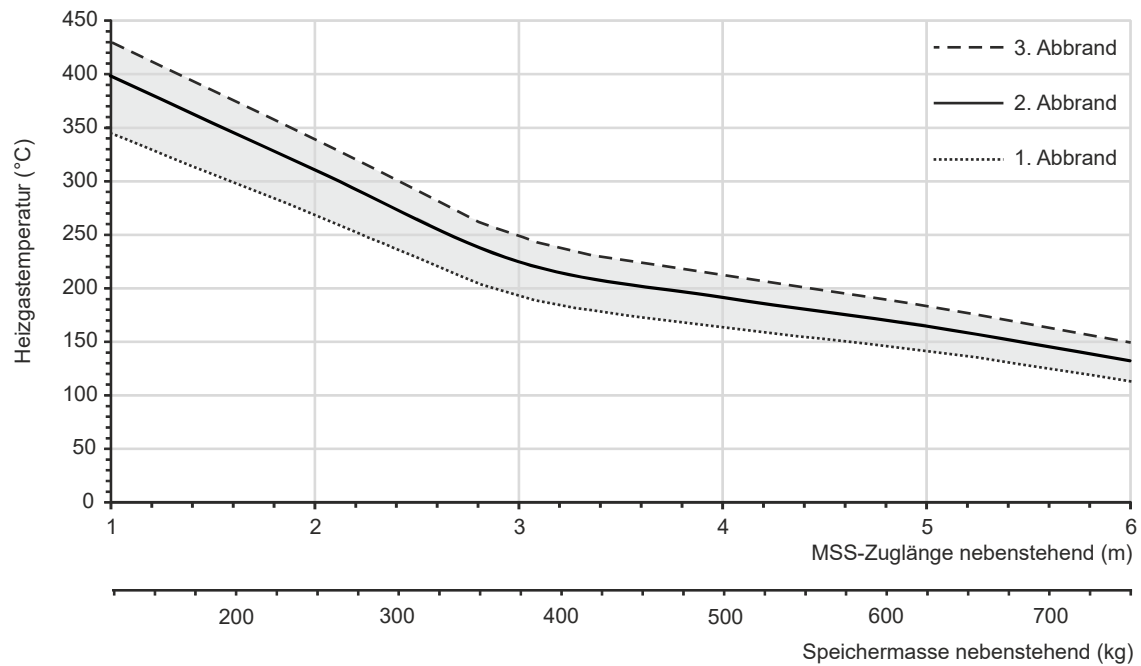
... mounting frame with MAS

Dimension sheets - HKD 13 Tunnel green



... with MAS and door frame

Dimension sheets - HKD 13 Tunnel green



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 13 Tunnel green

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	2.7	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 ³⁾	°C	220	-
4,9 m ceramic accumulator ⁴⁾	°C	-	180
3,4 m accumulation stones (MSS) ⁴⁾	°C	-	190
Necessary supply pressure	Pa	12	15
Combustion air consumption	m³/h	25	48
Flue gas pipe connection Ø	mm	180 / 200	180 / 200
Combustion air connection Ø	mm	125 / 160	125 / 160
Heating gas temperature (before the hood/dome variant)			
cast iron dome	°C	460	540
Heat distribution			
Insert / reheating surface	%	40 / 40	40 / 40
glass ceramic / glass ceramic coated (GKB)	%	25 / 20	25 / 20
Cross-section of gratings ⁵⁾			
Convection air	cm²	700 / 300 / 500	700 / 300 / 500
Supply air	cm²	700 / 300 / 500	700 / 300 / 500
Minimal distances of the fireplace			
to cladding, insulation layer	cm	8	8
to mounting floor	cm	15	15
Minimum insulation thickness without / with air gratings ⁶⁾			
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
Minimum distances in front of the combustion chamber, glass ceramic / glass ceramic coated (GKB)			
for combustible parts	cm	≥ 120 / ≥ 80	≥ 120 / ≥ 80
Weight			
Fireplace / combustion chamber	kg	247 / 53	
Meets requirement/limit values for:			
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.