

	operation when directly connected to chimney	operation when connected accumulation mass
Energy label	A+	A+
Operating data		
Nominal heat power	16 kW	----
Efficiency	> 80 %	----
Consumption of wood	4,5 kg/h	8 kg
Total heat output of the burning chamber	----	30 kW
Mass flow of flue gas	15,8 g/s	25 g/s
Required chimney pressure	12 Pa	12 Pa
Required amount of combustion air	45 m³/h	80 m³/h
Average flue gas temperature		
on the output	251 °C	311 °C
past 2,4 m of ceramic accumulation system KMS 300 ¹	----	210 °C
Heat distribution		
fireplace insert	57–68 %	40 %
door glass (single / double)	43 / 32 %	43 / 32 %
adjoining accumulation mass	----	17–28 %
Information for ventilated builds		
Minimal grill area supply / outgoing	1400 / 1700 cm²	1400 / 1700 cm²
Minimum distance from insulated areas / floor	80 / 0 mm	80 / 0 mm
Reference insulation ² ceiling / back wall / side wall / floor	120 / 80 / 80 / 0 mm	120 / 80 / 80 / 0 mm
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	90 / 60 / 60 / 0 mm	90 / 60 / 60 / 0 mm
Information for non-ventilated builds (closed grills)		
Minimum radiant area ⁴	5 m²	5,5 m²
Minimum distance from insulated areas / floor	80 / 20 mm	80 / 20 mm
Reference insulation ² ceiling / back wall / side wall / floor	160 / 100 / 100 / 20 mm	160 / 100 / 100 / 20 mm
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	120 / 75 / 75 / 20 mm	120 / 75 / 75 / 20 mm
General technical information		
Total weight / lining weight	ca. 536 / 175 kg	ca. 536 / 175 kg
Burning chamber dimensions (width x depth)	1410 x 315 mm	
Combustion air connection	Ø 150 mm	
Use in non-ventilated accumulation builds according to craft rules	suitable	
Tested according to	EN 13229	
Meets values	BImSchV (Stufe2), 15a BvG, NS 3059	

¹ Listed value from testing. For accurate results is evaluation of each system in the Ortner / KOV program necessary.

² Mineral wool according to AGI-Q 132

³ Example SkamoEnclosure Board 225 kg/m³

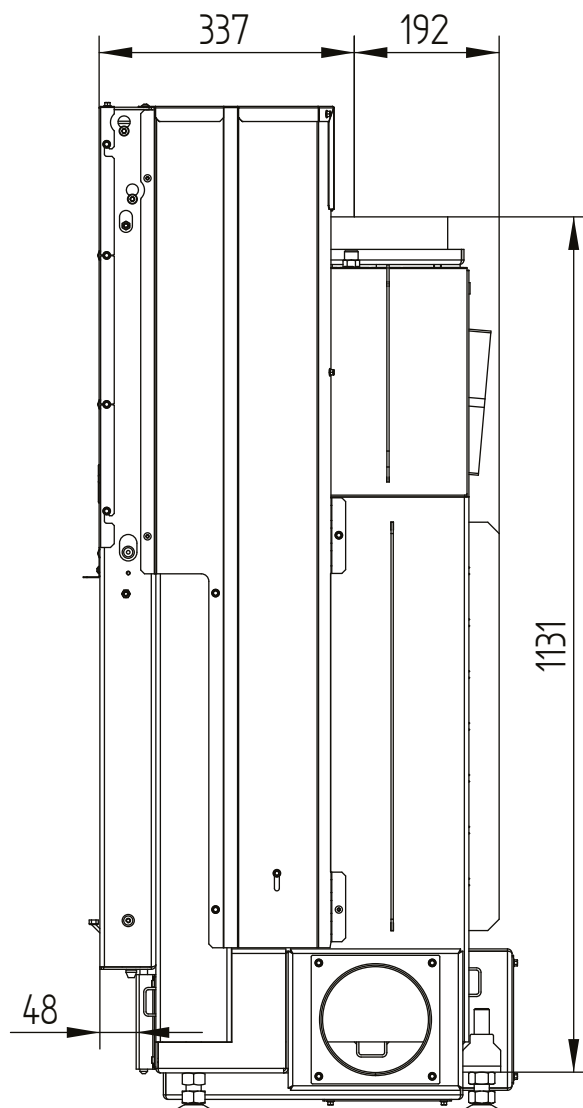
⁴ Depends on accumulation period and material characteristics. 500 W/m²

HAKA 150/51

Technical data
Version 2019/08

liftdoor

M 1:10

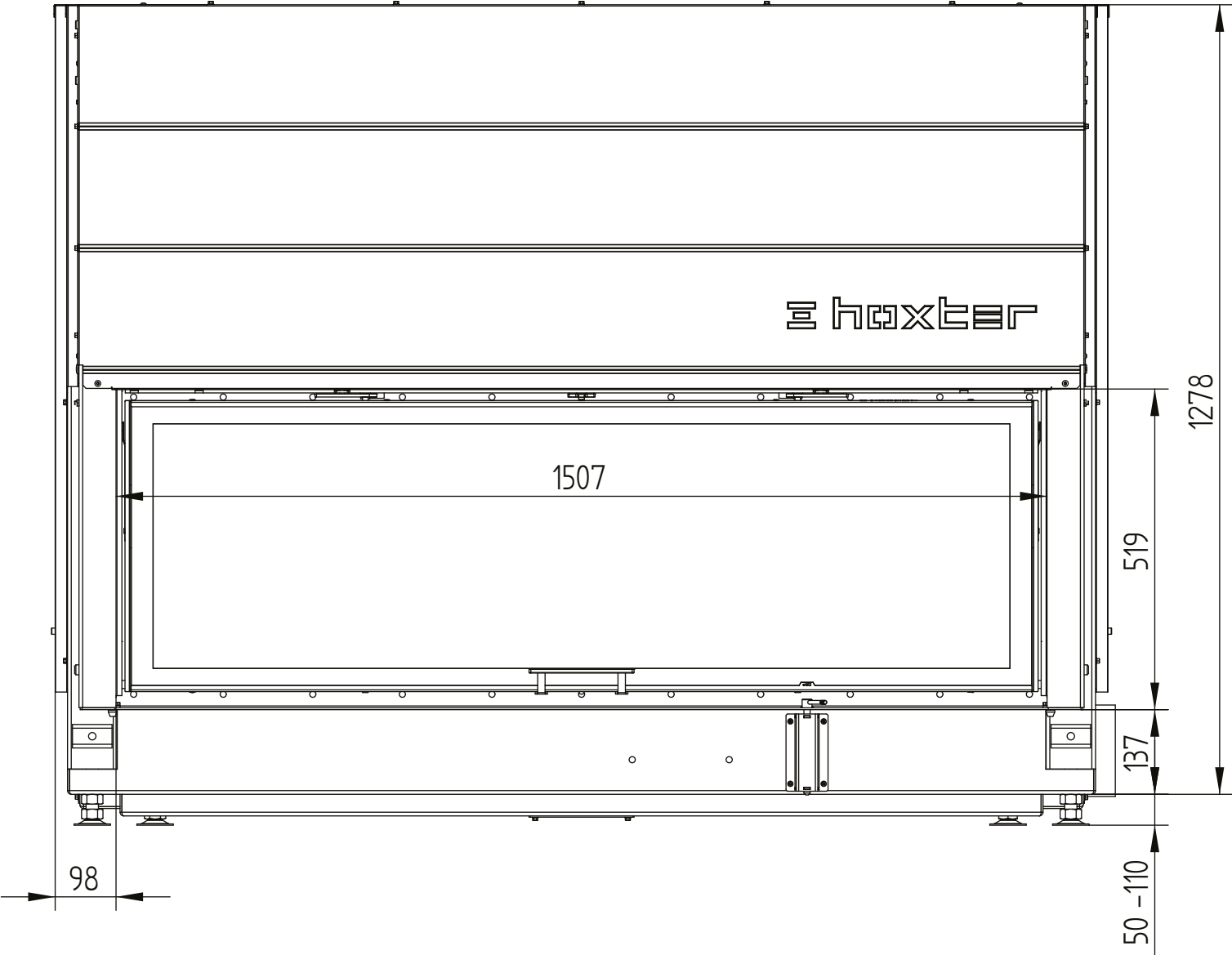


HAKA 150/51

Technical data
Version 2019/08

liftdoor

M 1:10

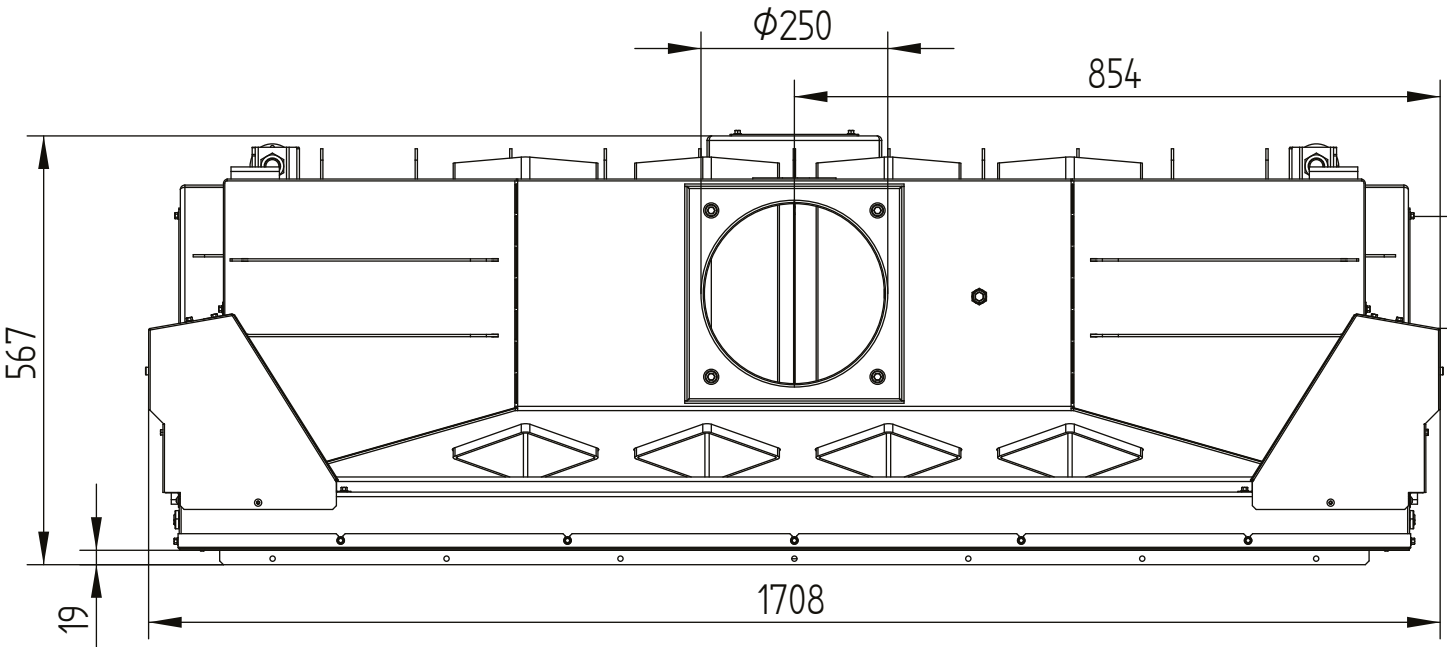


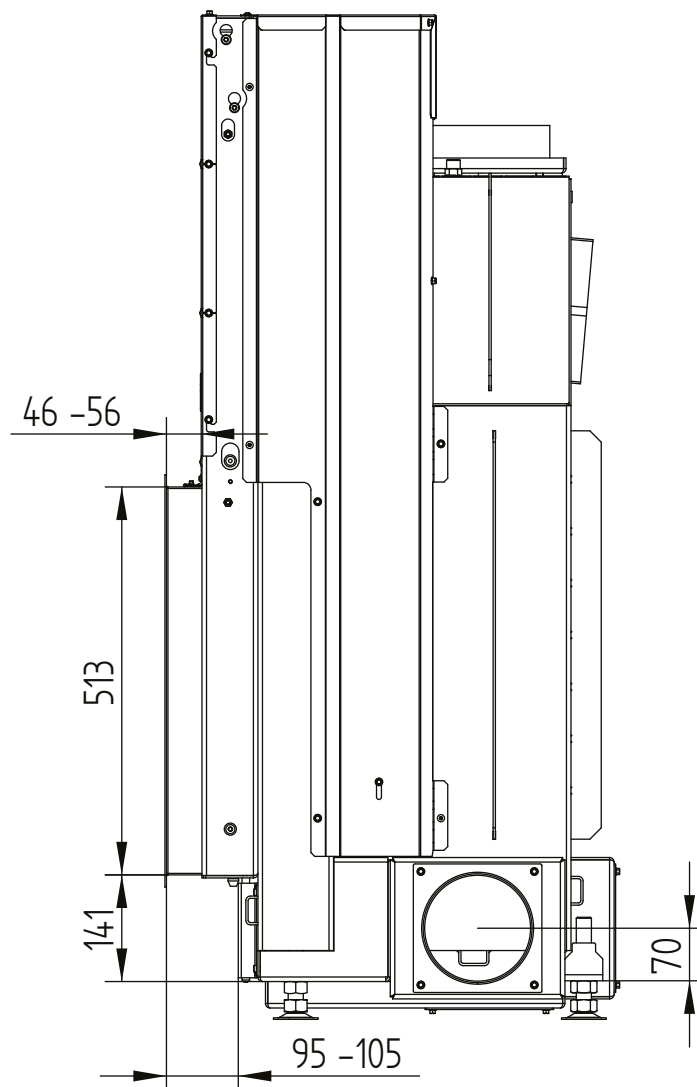
HAKA 150/51

Technical data
Version 2019/08

liftdoor

M 1:10



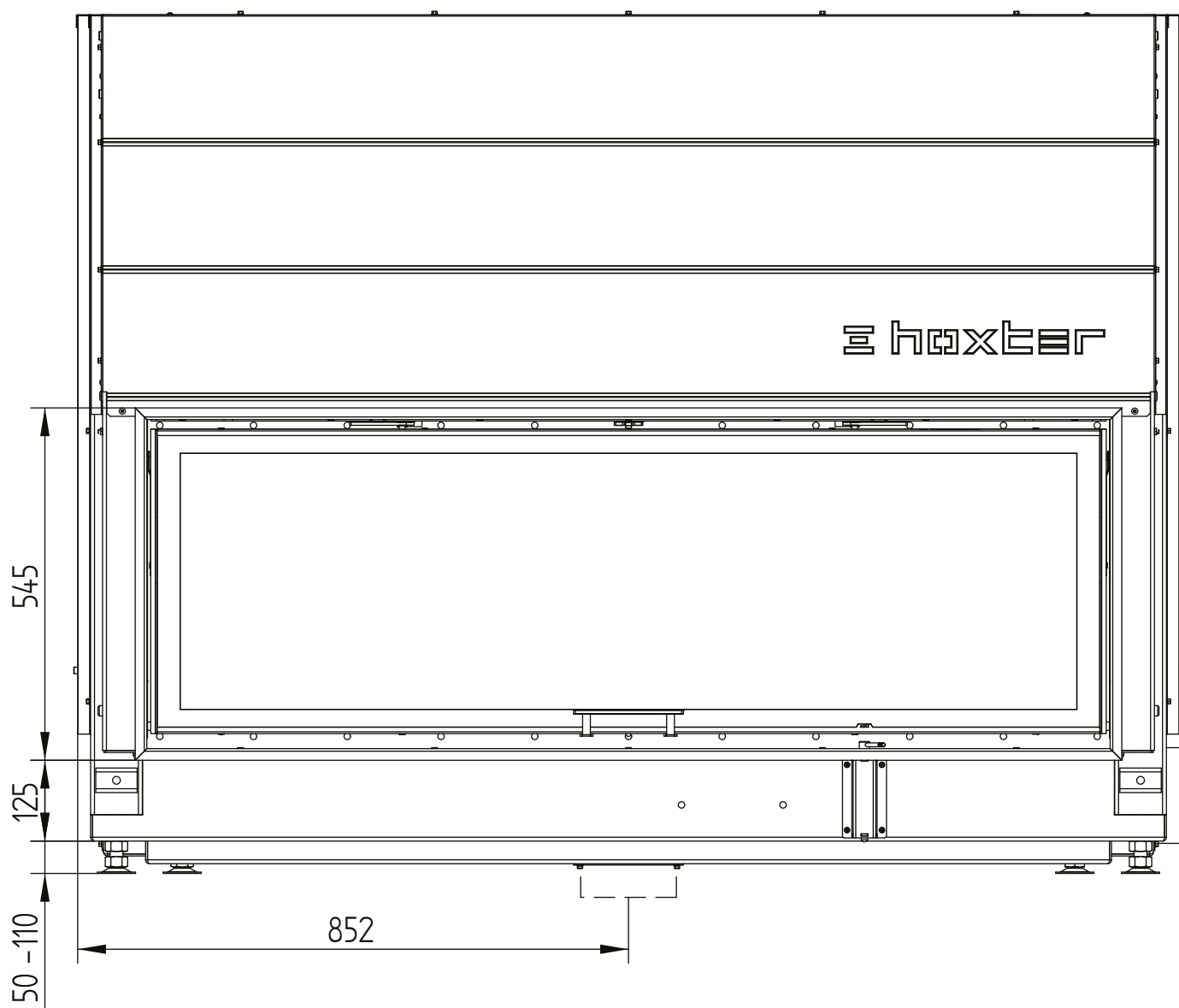


HAKA 150/51

Technical data
Version 2019/08

cover frame 150/51h liftdoor 4sides 50 mm 1 x 90° / air intake

M 1:10

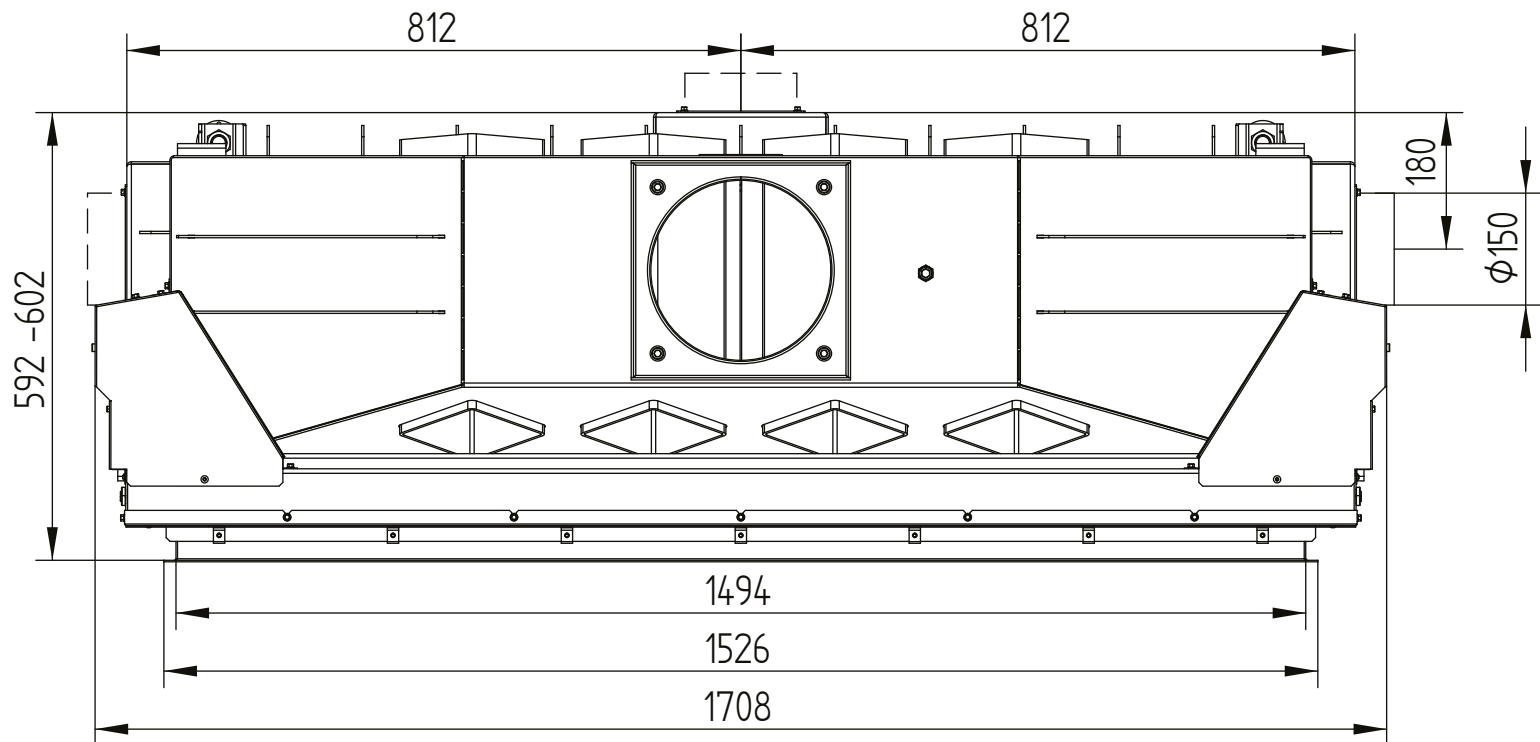


HAKA 150/51

Technical data
Version 2019/08

cover frame 150/51h liftdoor 4sides 50 mm 1 x 90° / air intake

M 1:10

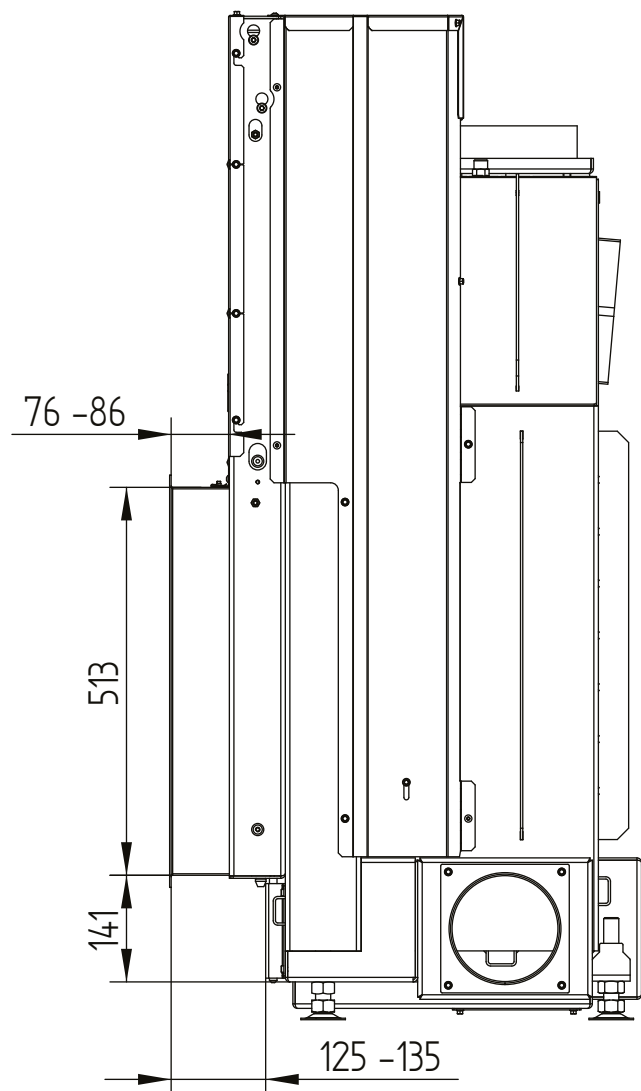


HAKA 150/51

Technical data
Version 2019/08

cover frame 150/51h liftdoor 4sides 80 mm 1 x 90°

M 1:10

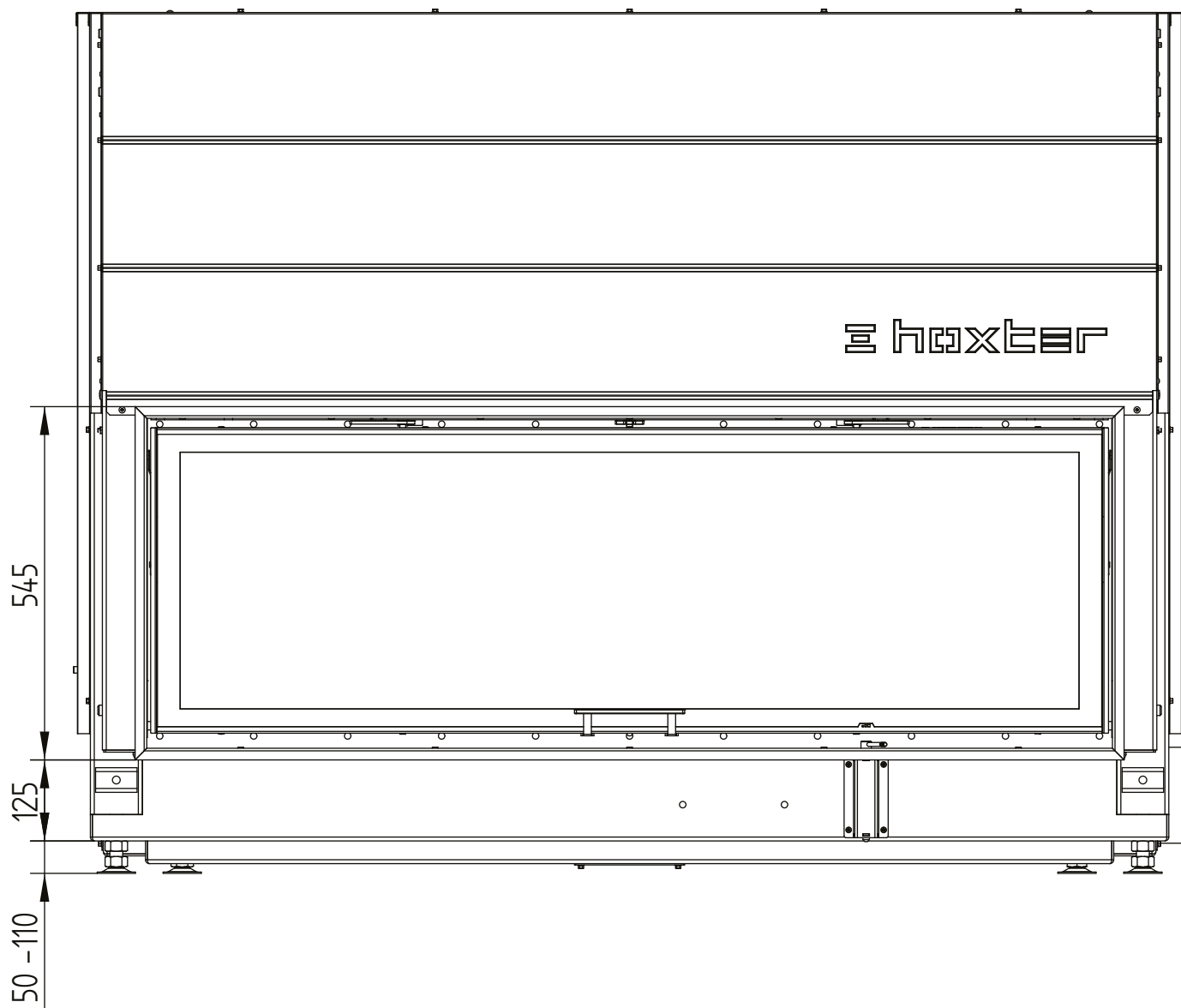


HAKA 150/51

Technical data
Version 2019/08

cover frame 150/51h liftdoor 4sides 80 mm 1 x 90°

M 1:10

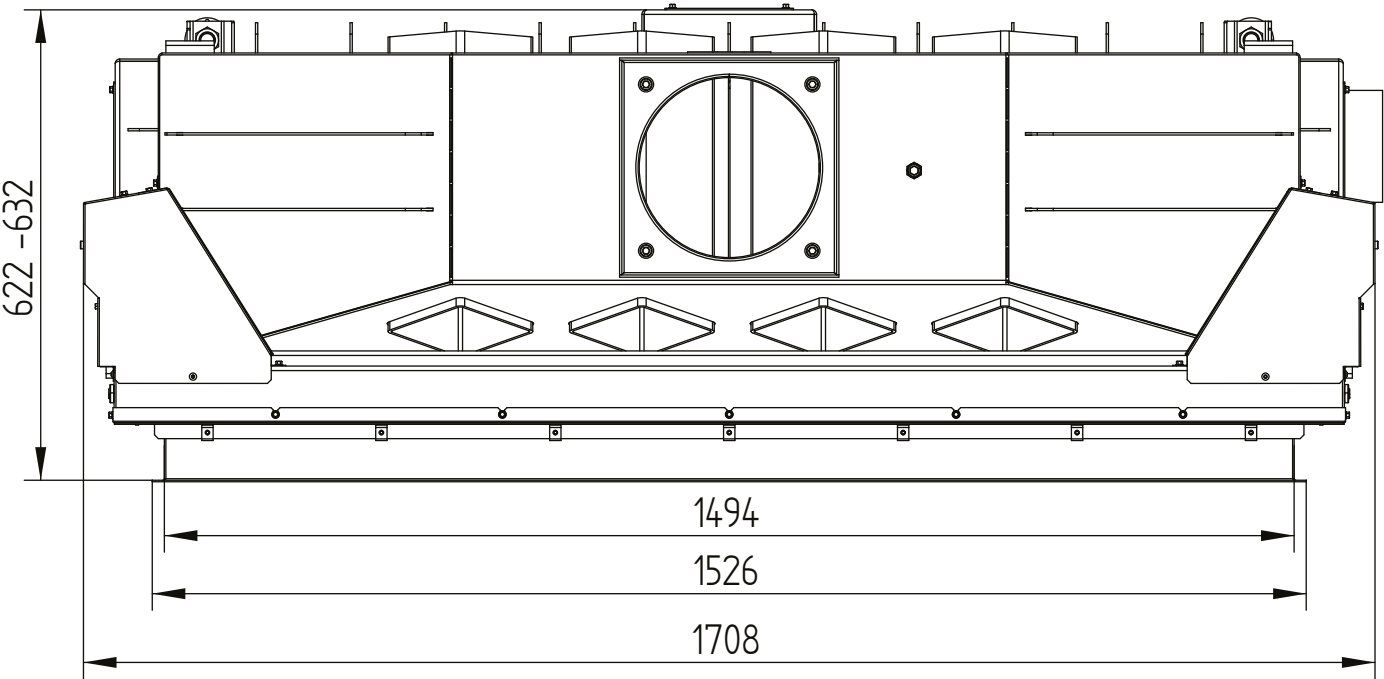


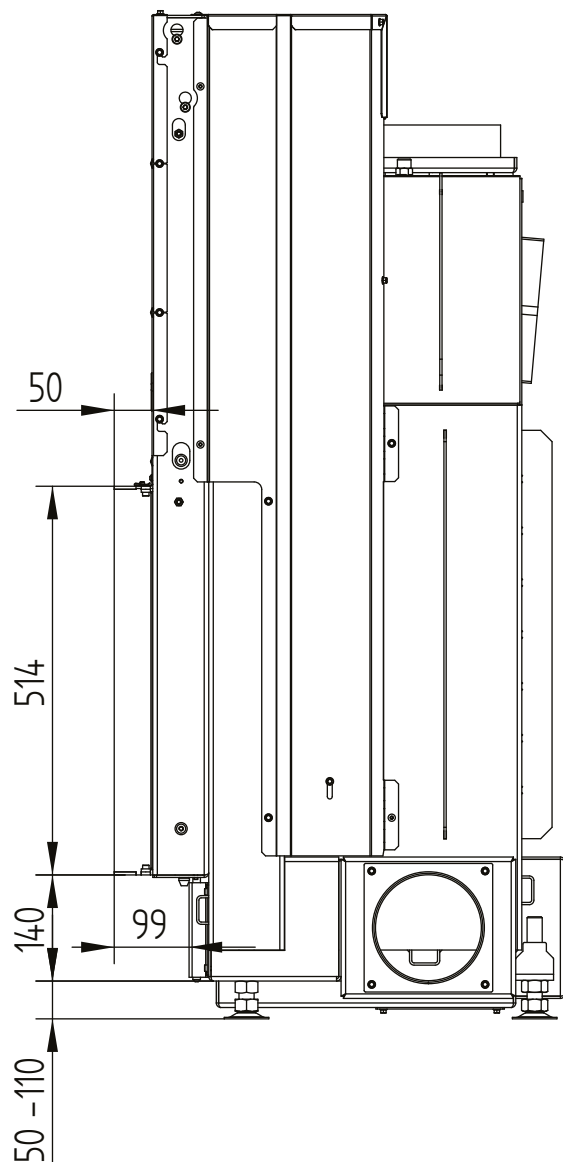
HAKA 150/51

Technical data
Version 2019/08

cover frame 150/51h liftdoor 4sides 80 mm 1 x 90°

M 1:10



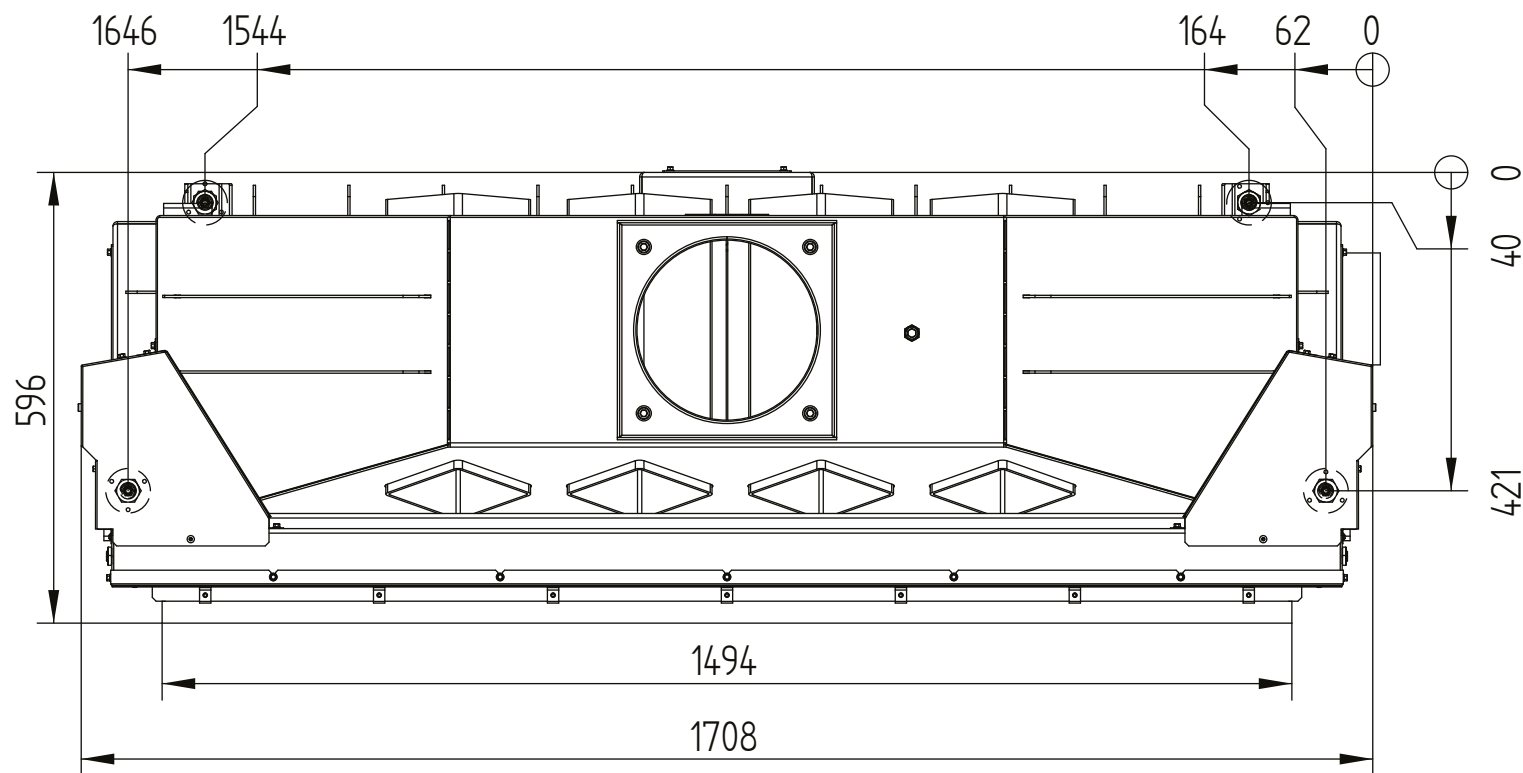


HAKA 150/51

Technical data
Version 2019/08

build-on frame 150/51h liftdoor 4sides 50 mm / feet

M 1:10

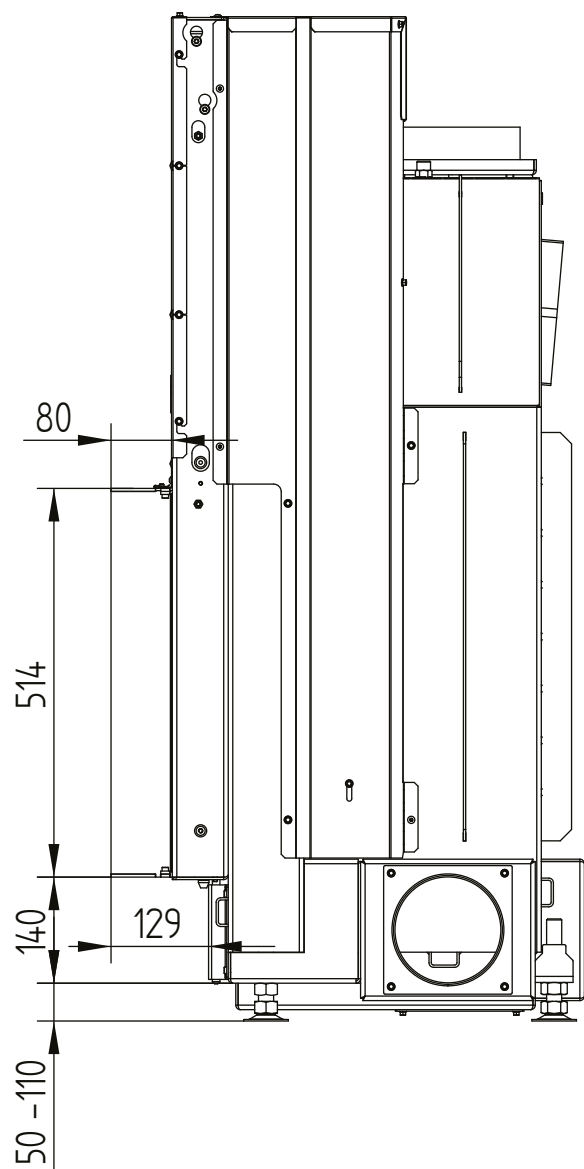


HAKA 150/51

Technical data
Version 2019/08

build-on frame 150/51h liftdoor 4sides 80 mm

M 1:10

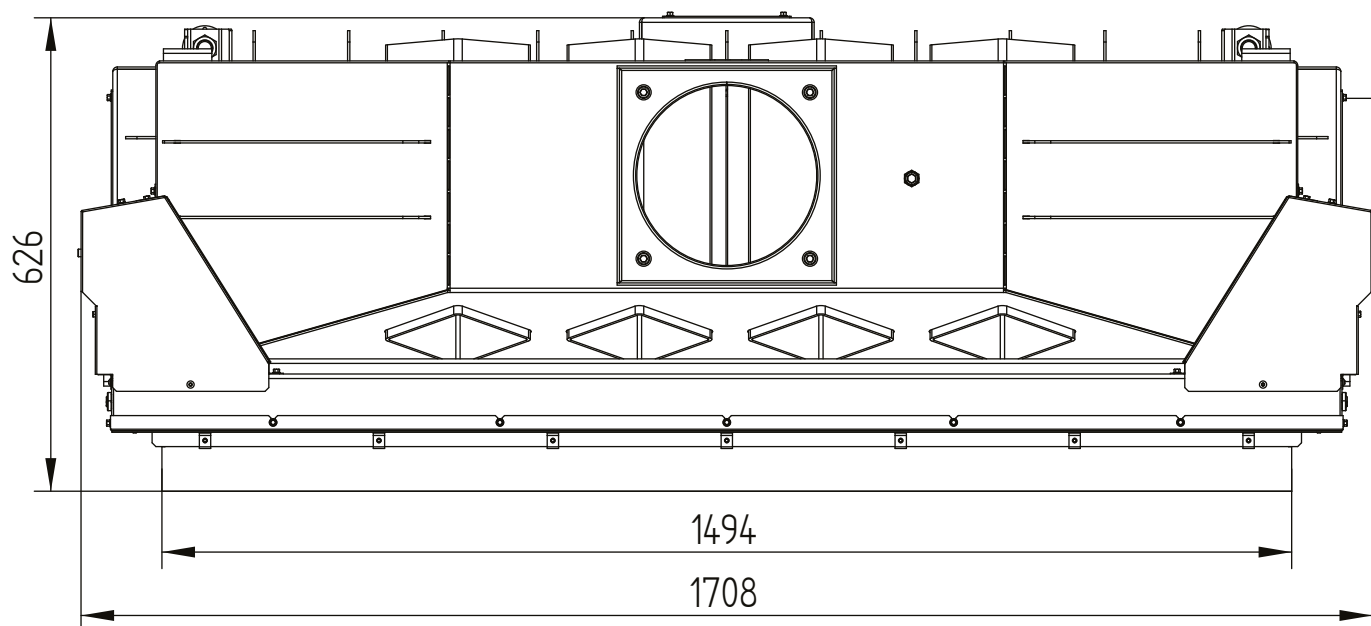


HAKA 150/51

Technical data
Version 2019/08

build-on frame 150/51h liftdoor 4sides 80 mm

M 1:10

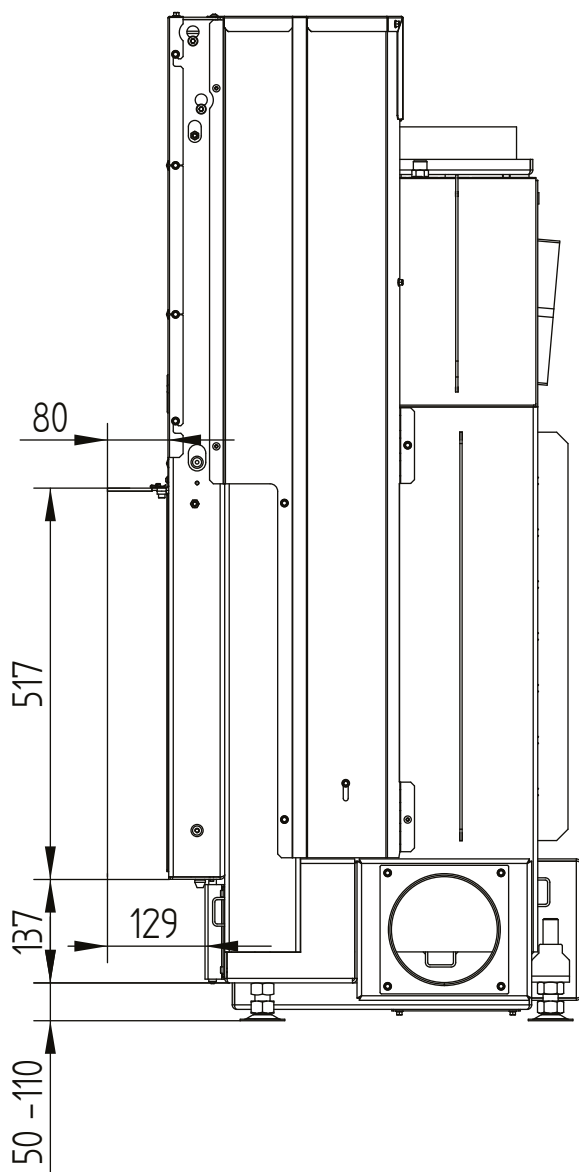


HAKA 150/51

Technical data
Version 2019/08

build-on frame 150/51h liftdoor 3sides 80 mm

M 1:10



HAKA 150/51

Technical data
Version 2019/08

build-on frame 150/51h liftdoor 3sides 80 mm

M 1:10

