

Technical data

	operation when directly connected to chimney	operation when connected accumulation mass
Energy label	A+	----
Operating data		
Nominal heat power	13,5 kW	----
Efficiency	> 80 %	----
Consumption of wood	3,9 kg/h	5,5 kg
Total heat output of the burning chamber	----	22 kW
Average heat output / heat accumulation time ⁵	----	2,2 kW / 8 h
Mass flow of flue gas	11 g/s	20 g/s
Required chimney pressure	12 Pa	12 Pa
Required amount of combustion air	35 m³/h	50 m³/h
Average flue gas temperature		
on the output	284 °C	376 °C
behind 3 m of ceramic accumulation system KMS 300 ¹	----	197 °C
Heat distribution		
fireplace insert	63–78 %	45 %
door glass (single / double)	37 / 22 %	37 / 22 %
additional accumulation mass	----	18–33 %
Information for ventilated builds		
Minimal grill area supply / outgoing	1200 cm²	1200 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	suitable	4,5 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	circa 421 / 137 kg	circa 421 / 137 kg
Burning chamber dimensions (width x depth)	1010 x 315 mm	
Combustion air connection	Ø 150 mm	
Use in non-ventilated accumulation builds according to craft rules	suitable	
Tested according to	EN 16510-1 ed. 2:2023, EN 16510-2-2:2022	
Meets values	BImSchV (Stufe2), 15a BVG, NS 3059	

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

² Mineral wool according to AGI-Q 132

³ Example SkamoEnclosure Board 225 kg/m³

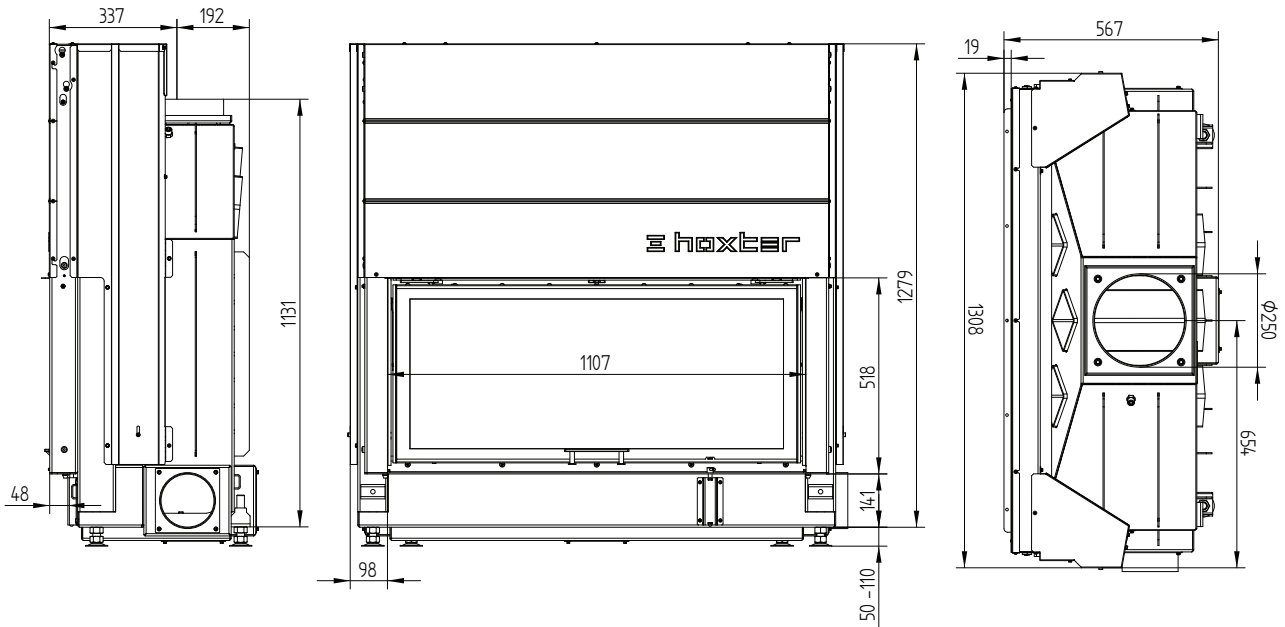
⁴ Depends on accumulation period and material characteristics. Listed values calculated with average specific heat output = approx. 500 W/m²

⁵ Storage operation, one wood charge for storage duration, with closed construction and efficiency > 80%

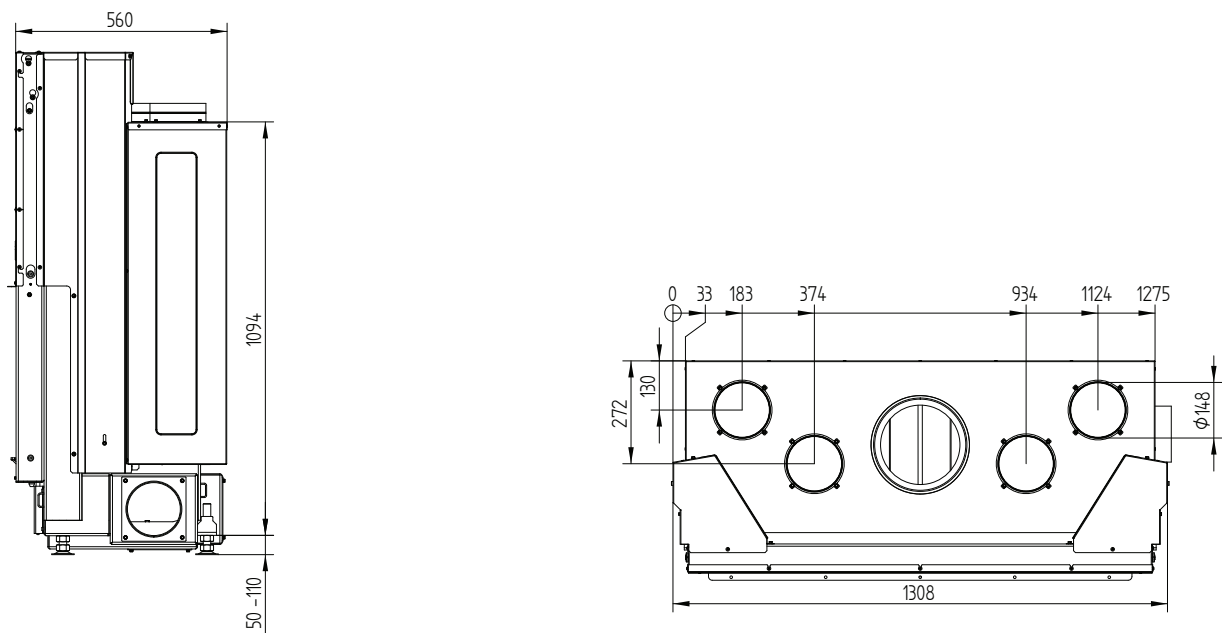
HAKA 110/51h

Technical data
Date 06/2026

HAKA 110/51h liftdoor



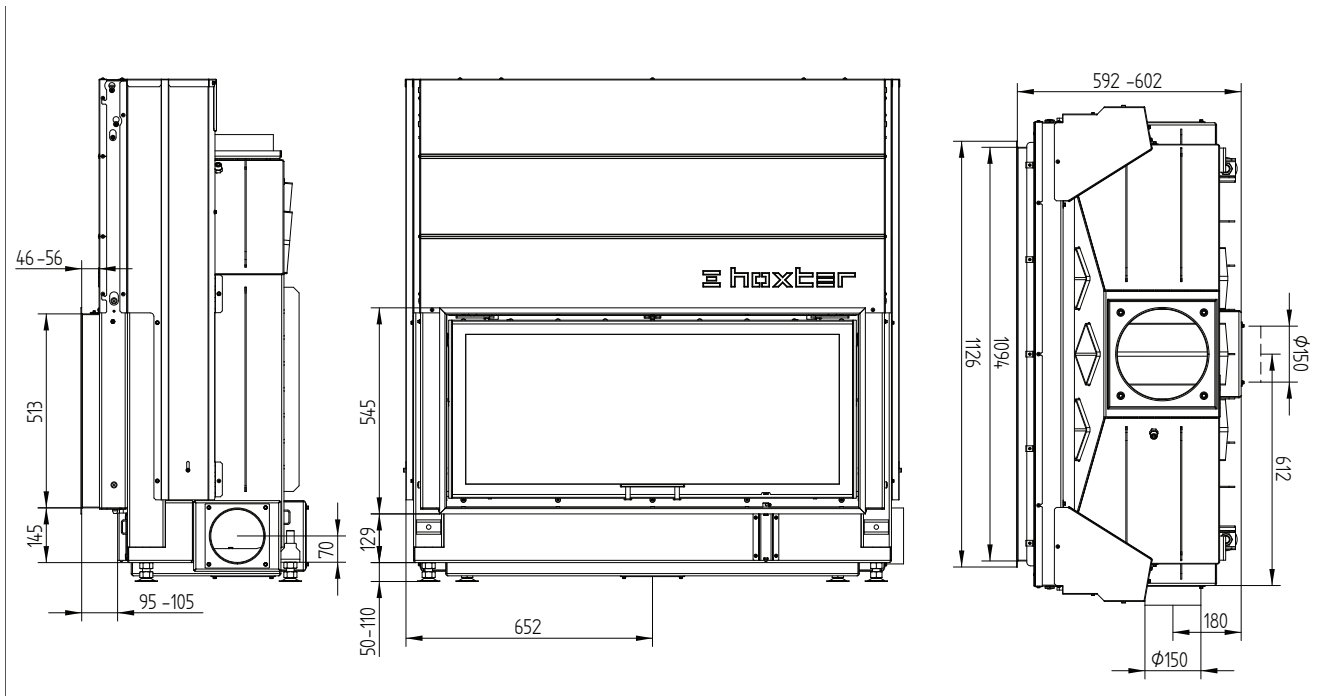
Convection jacket HAKA 110/51h liftdoor



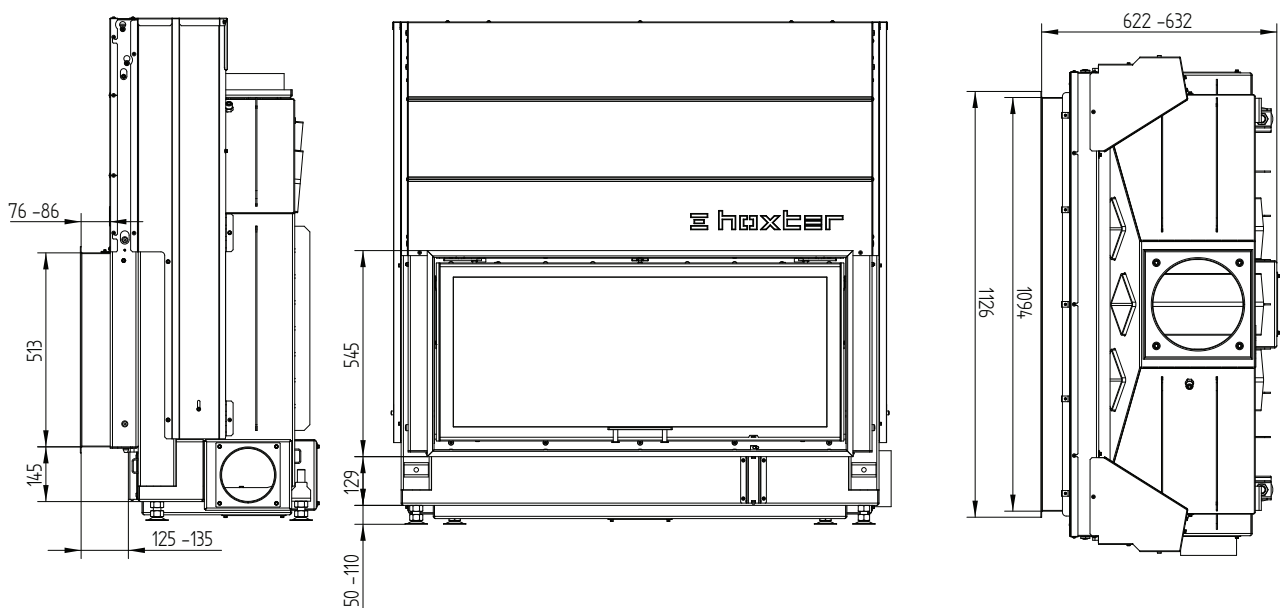
HAKA 110/51h

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Date 06/2026

Cover frame 110/51h liftdoor 4sides 50 mm 1 x 90° / air inlet



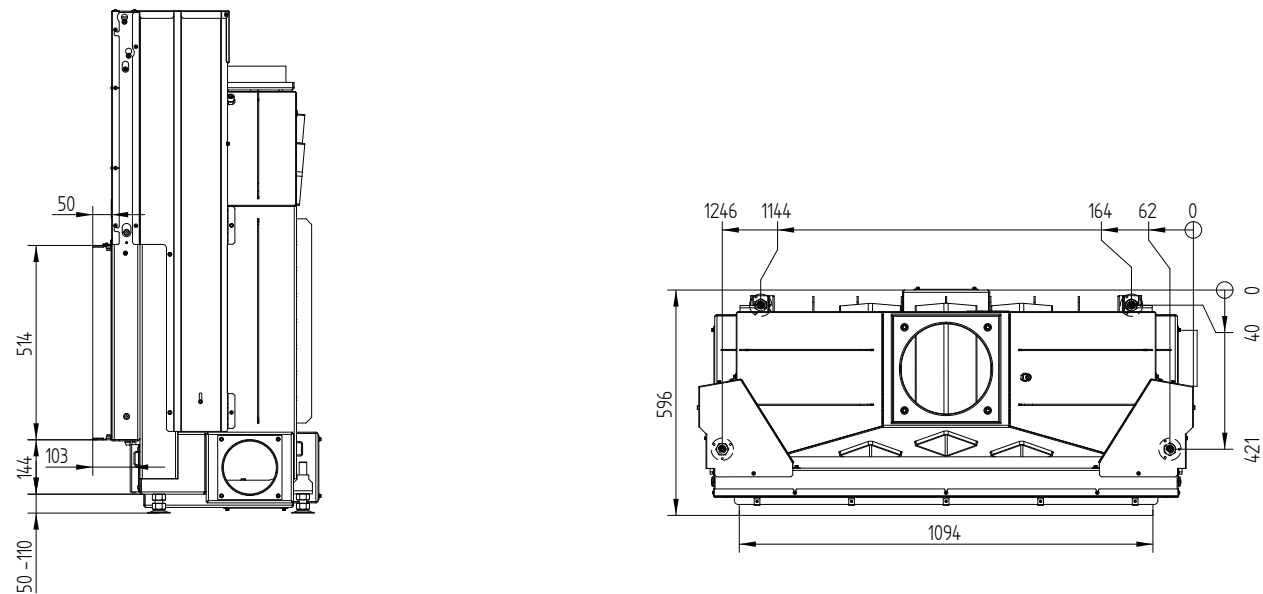
Cover frame 110/51h liftdoor 4sides 80 mm 1 x 90°



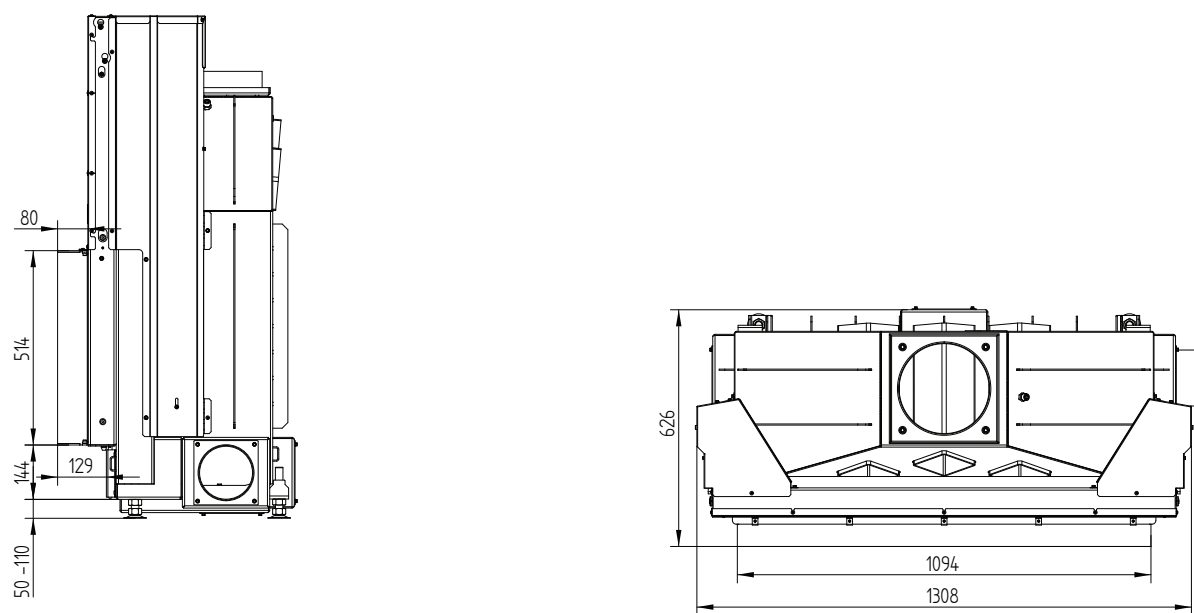
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Build-on frame 110/51h liftdoor 4sides 50 mm / feet



Build-on frame 110/51h liftdoor 4sides 80 mm



HAKA 110/51h

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Build-on frame 110/51h liftdoor 3sides 80 mm

