

Technical data

Technical data	operation when directly connected to chimney		operation when connected accumulation mass	
	cupola	hot air exchanger	cupola	adaptor
Energy label			----	----
Operating data				
Nominal heat power	7 kW	10 kW	----	----
Efficiency	> 80 %	> 80 %	----	----
Consumption of wood	2,2 kg/h	2,9 kg/h	5 kg	5 kg
Total heat output of the burning chamber	----	----	20 kW	20 kW
Average heat output / heat accumulation time ⁵	----	----	2 kW / 8 h	2 kW / 8 h
Mass flow of flue gas	7 g/s	10 g/s	15 g/s	15 g/s
Required chimney pressure	12 Pa	12 Pa	12 Pa	15 Pa
Required amount of combustion air	20 m³/h	30 m³/h	45 m³/h	45 m³/h
Average flue gas temperature				
on the output	247 °C	262 °C	394 °C	404 °C
behind 3,6 m of ceramic accumulation system KMS 300 ¹	----	----	178 °C	----
behind accumulation rings (5x acc. ring Ø440mm)	----	----	----	235 °C
Heat distribution				
fireplace insert	64–75 %	64–75 %	36 %	32 %
door glass (single / double)	36 / 25 %	36 / 25 %	36 / 25 %	36 / 25 %
additional accumulation mass	----	----	28–39 %	32–42 %
Information for ventilated builds				
Minimal grill area supply / outgoing	650 cm²	950 cm²	950 cm²	950 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 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 261 / 67 kg		circa 261 / 67 kg	
Burning chamber dimensions (width x depth)	355 x 355 mm			
Combustion air connection	Ø 125 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	1. 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

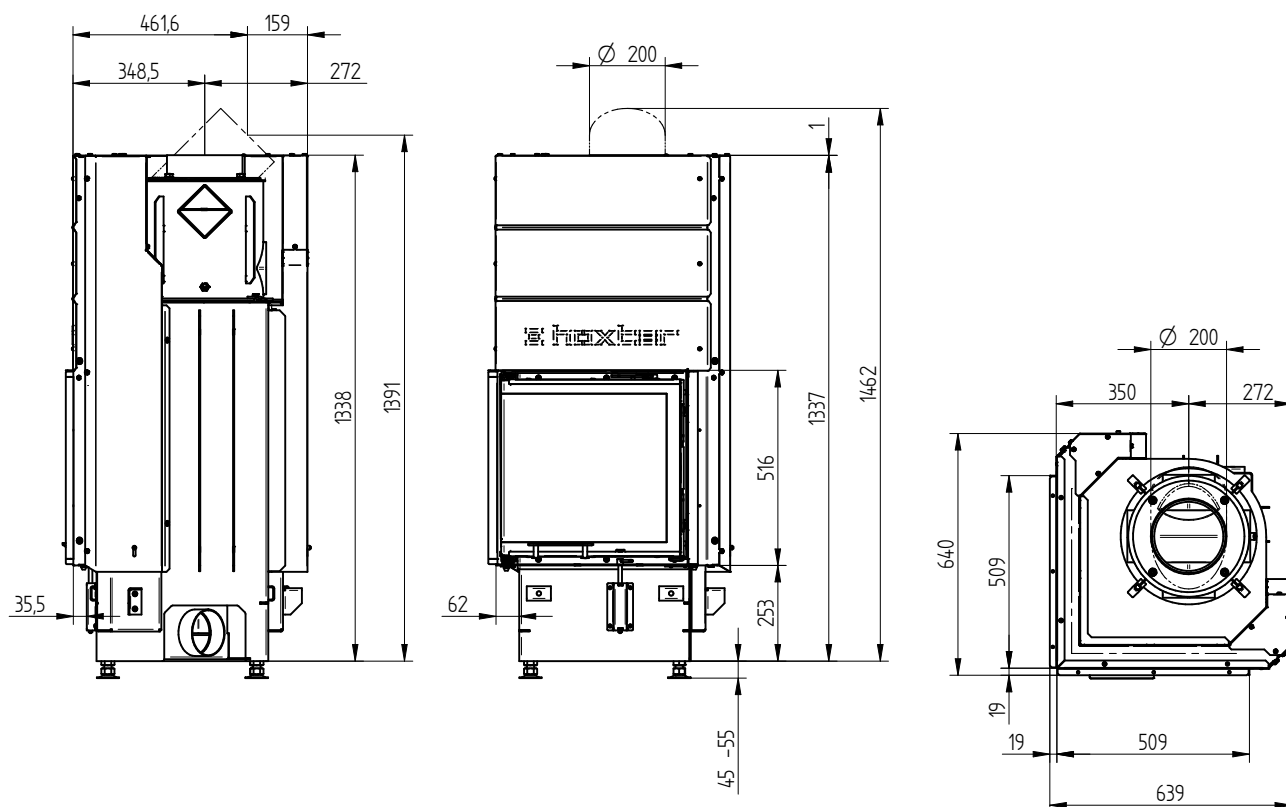
⁴ Depends on accumulation period and material characteristics. Listed values calculated with average specific heat output = approx. 500 W/m²

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

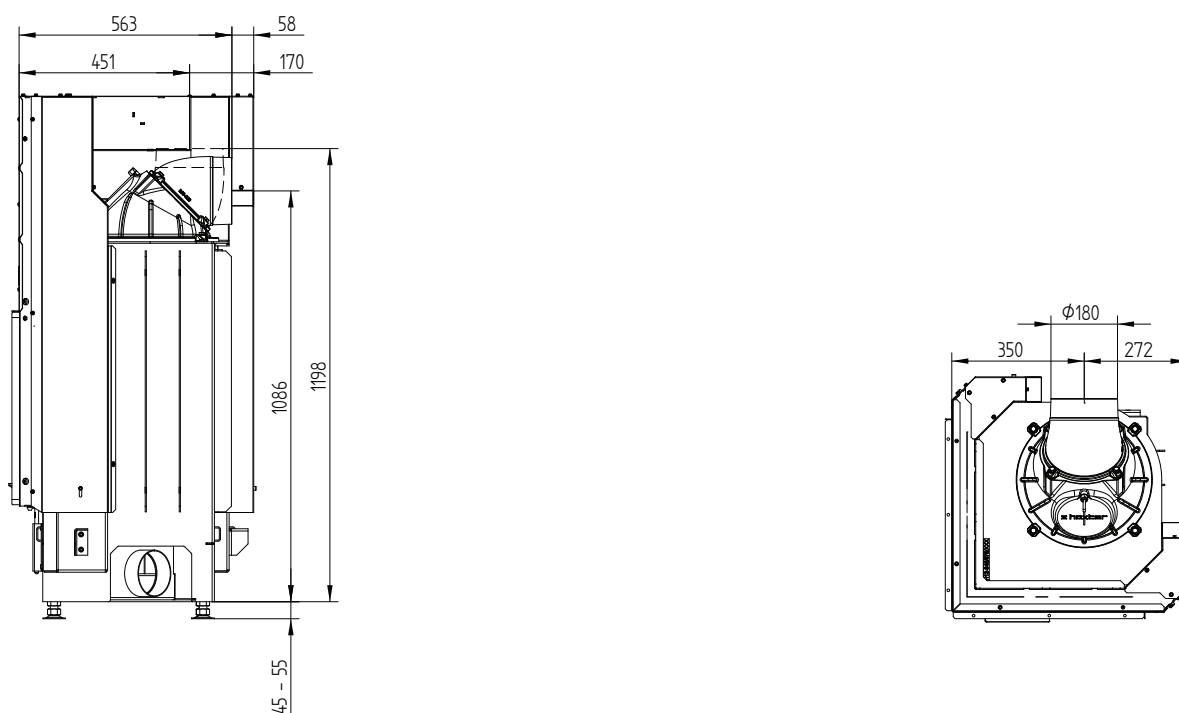
ECKA 51/51/51h

Technical data
Date 06/2026

ECKA 51/51/51h liftdoor hot air exchanger vertical



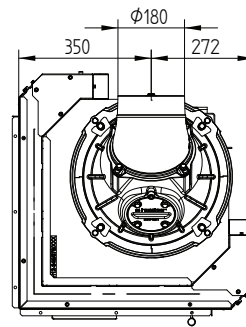
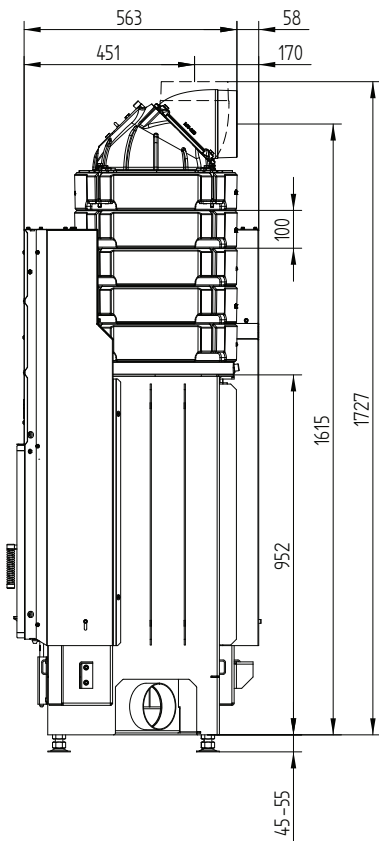
ECKA 51/51/51h liftdoor cupola



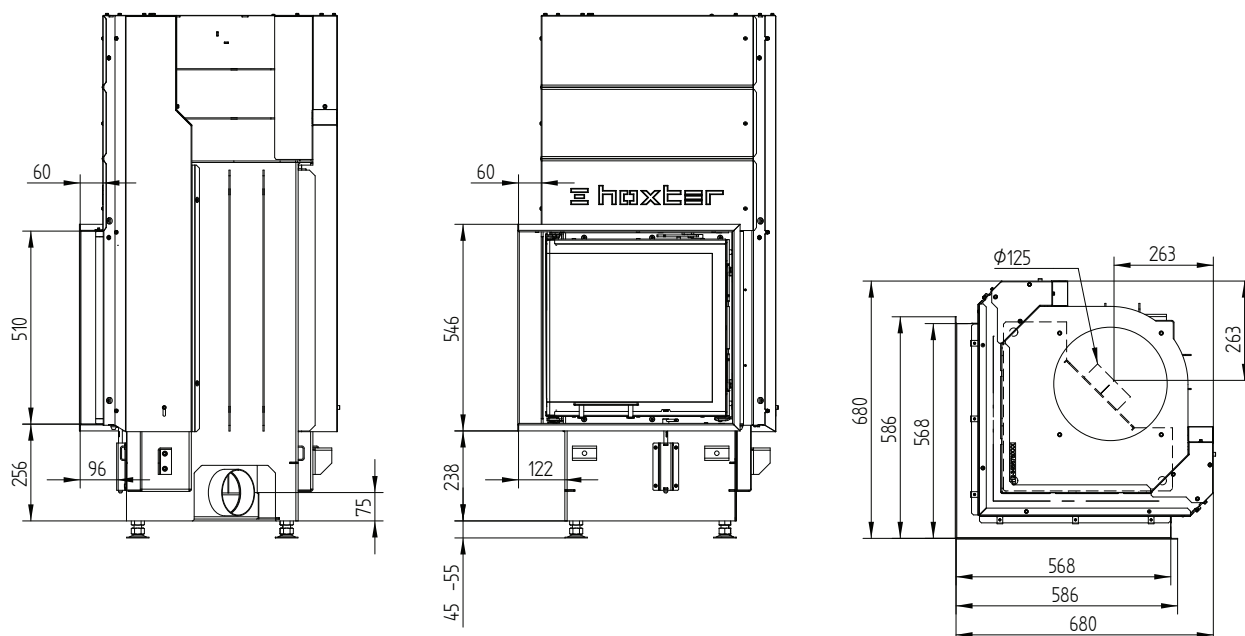
ECKA 51/51/51h

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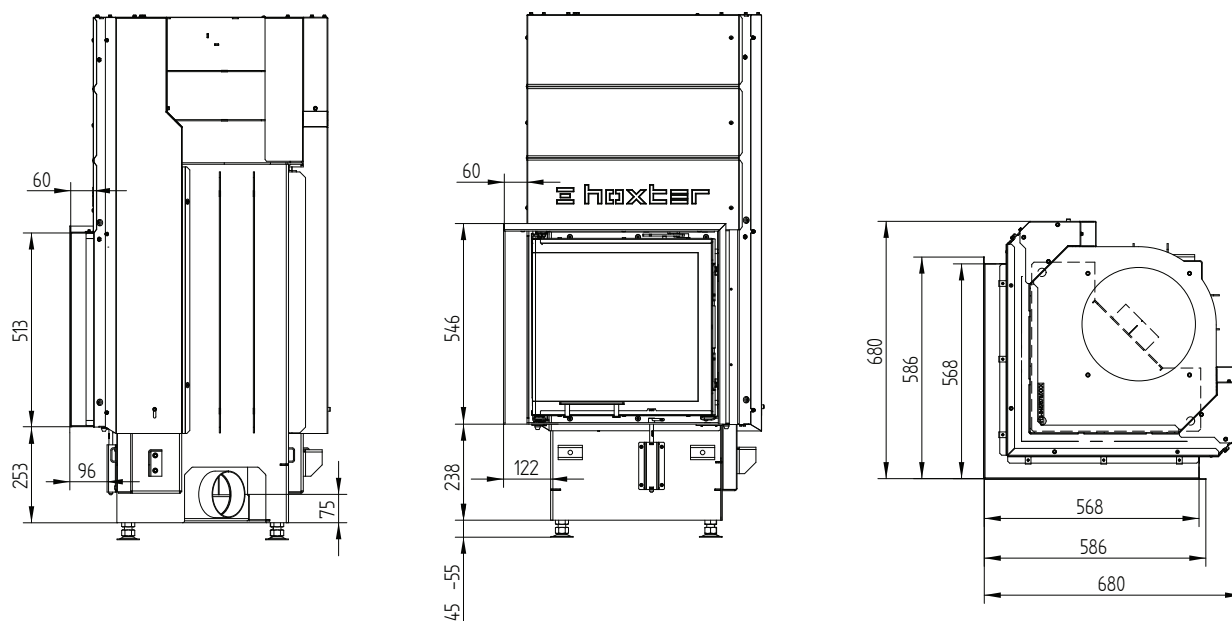
ECKA 51/51/51h liftdoor accumulation set



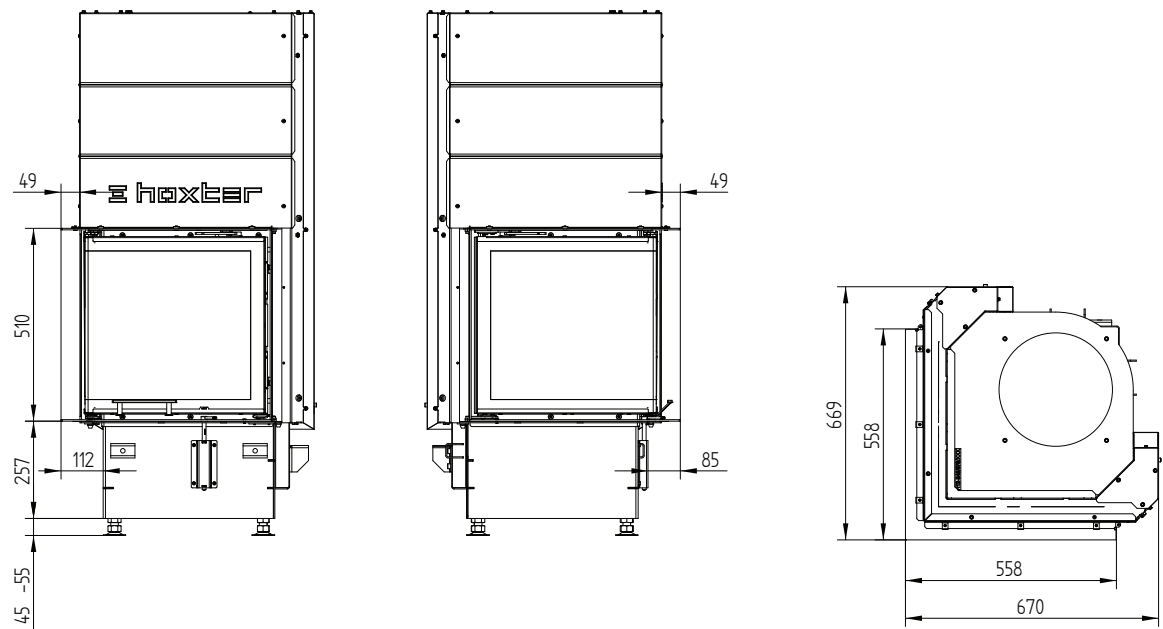
Cover frame 51/51/51h liftdoor 6sides 60 mm 1 x 90° / air inlet



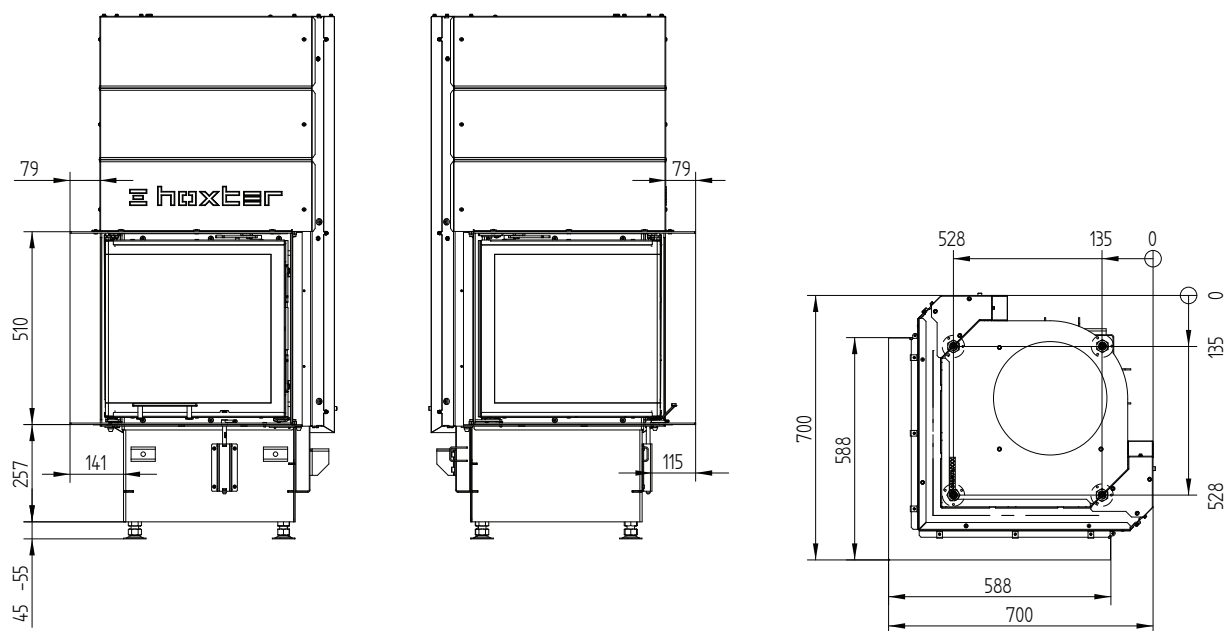
Cover frame 51/51/51h liftdoor 4sides 60 mm 1 x 90°



Build-on frame 51/51/51h liftdoor 6sides 50 mm



Build-on frame 51/51/51h liftdoor 6sides 80 mm / feet



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

