

HAKA 78/57T

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	8 kW	13 kW	----	----
Efficiency	> 80 %	> 80 %	----	----
Consumption of wood	2,4 kg/h	3,7 kg/h	5,5 kg	5,5 kg
Total heat output of the burning chamber	----	----	22 kW	22 kW
Average heat output / heat accumulation time ⁵	----	----	2,2 kW / 8 h	2,2 kW / 8 h
Mass flow of flue gas	8 g/s	11 g/s	20 g/s	20 g/s
Required chimney pressure	12 Pa	12 Pa	12 Pa	15 Pa
Required amount of combustion air	25 m³/h	35 m³/h	50 m³/h	50 m³/h
Average flue gas temperature				
on the output	263 °C	272 °C	376 °C	385 °C
behind 3,4 m of ceramic accumulation system KMS 300 ¹	----	----	199 °C	----
behind accumulation rings (5x acc. ring Ø440mm)	----	----	----	230 °C
Heat distribution				
fireplace insert	54–64 %	54–64 %	32 %	27 %
door glass (single / double)	46 / 36 %	46 / 36 %	46 / 36 %	46 / 36 %
additional accumulation mass	----	----	22–32 %	27–37 %
Information for ventilated builds				
Minimal grill area supply / outgoing	900 cm²	1200 cm²	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 / 0 / 80 / 0 mm		120 / 0 / 80 / 0 mm	
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	90 / 0 / 60 / 0 mm		90 / 0 / 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 / 0 / 100 / 20 mm		160 / 0 / 100 / 20 mm	
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	120 / 0 / 75 / 20 mm		120 / 0 / 75 / 20 mm	
General technical information				
Total weight / lining weight	circa 250 / 113 kg		circa 250 / 113 kg	
Burning chamber dimensions (width x depth)	705 x 355 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	1. BlmSchV (Stufe2), 15a BVG			

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

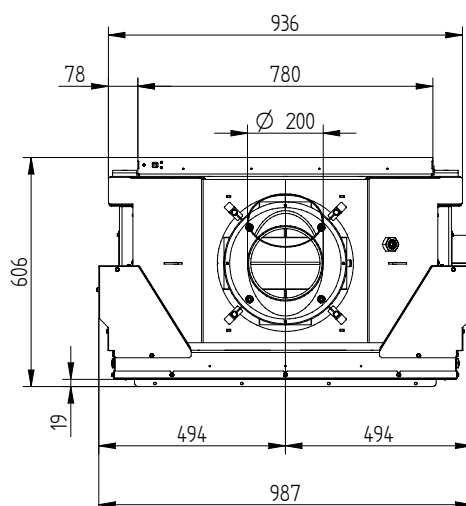
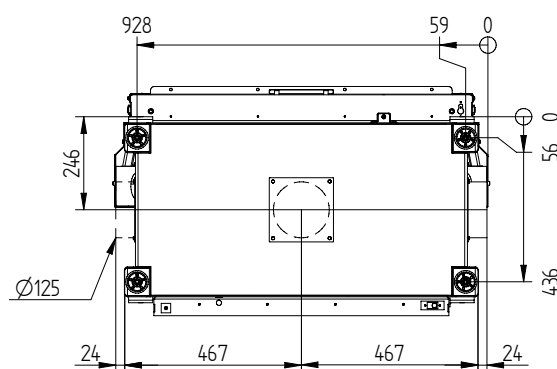
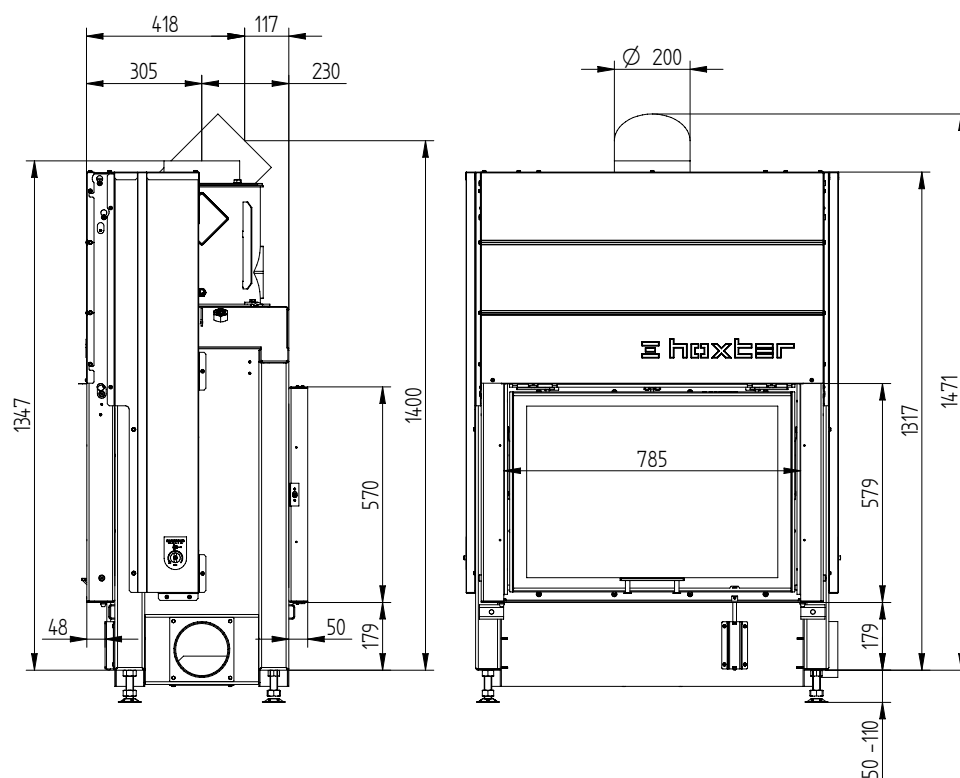
³ Example SkamoEnclosure Board 225 kg/m³

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%

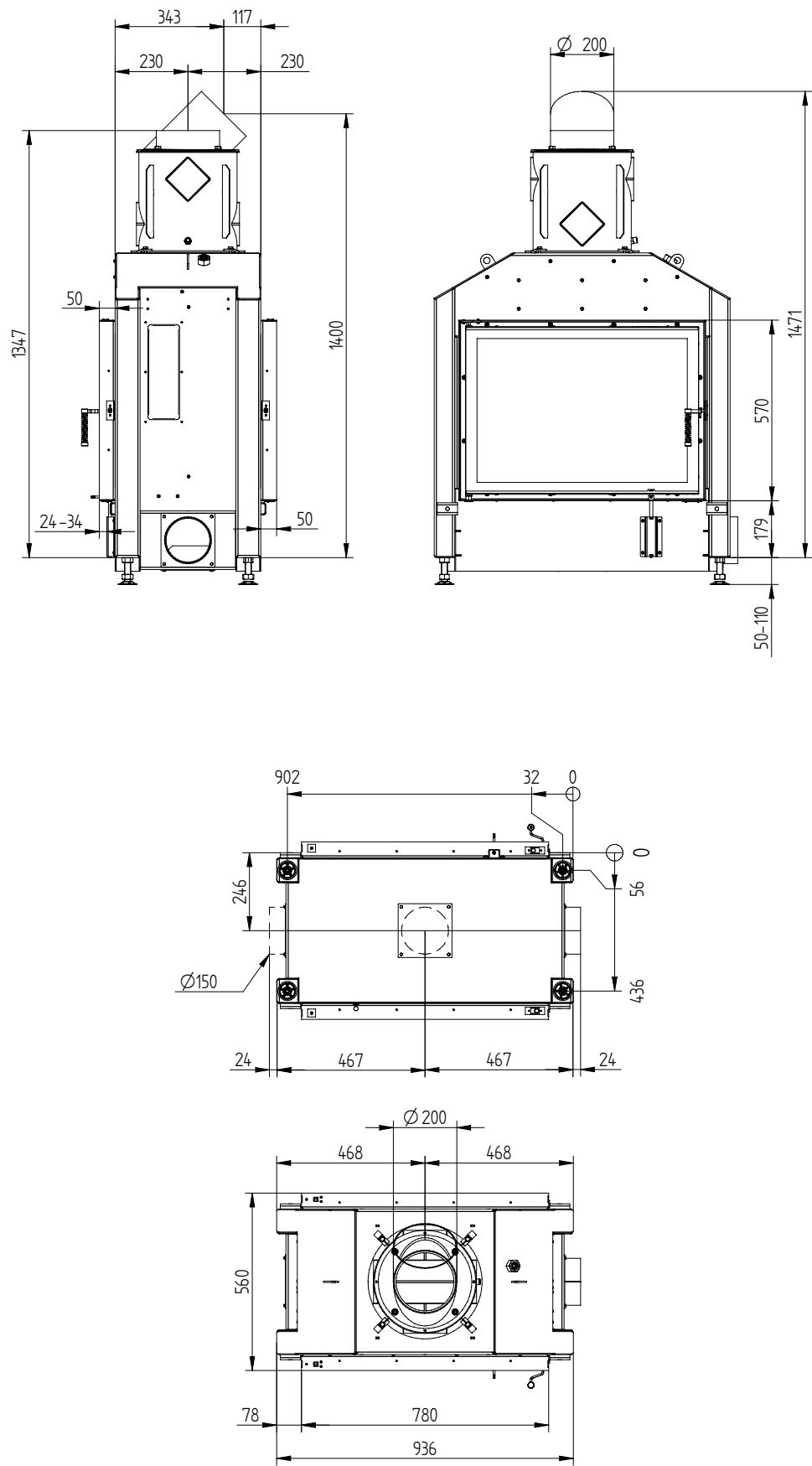
HAKA 78/57T

HAKA 78/57 tunnel hot air exchanger vertical / smoke outlet 45° / air inlet / feet



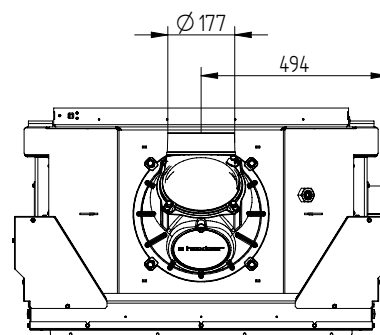
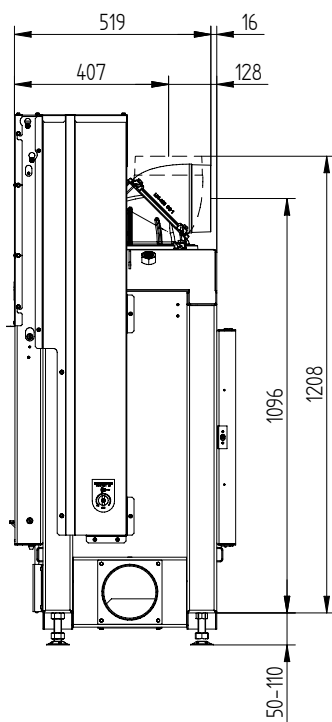
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HAKA 78/57 tunnel hot air exchanger vertical / smoke outlet 45° / air inlet / feet



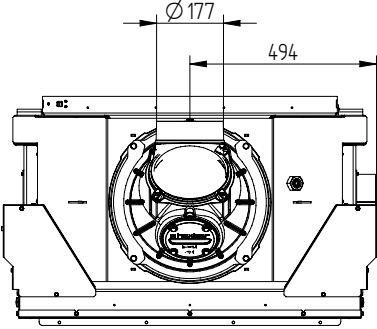
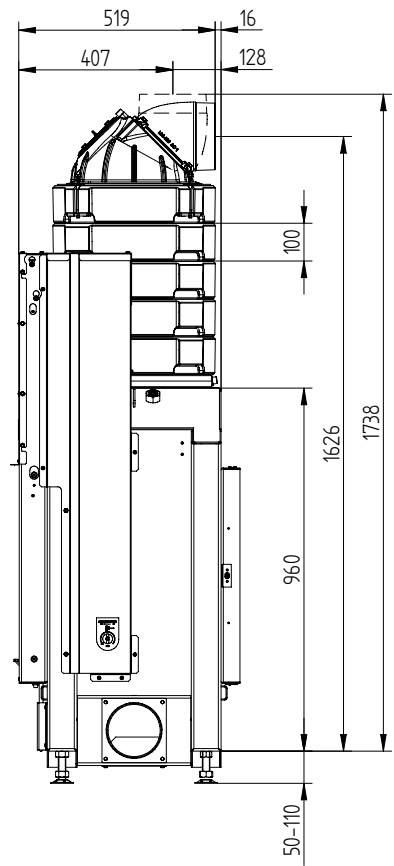
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HAKA 78/57 tunnel cupola



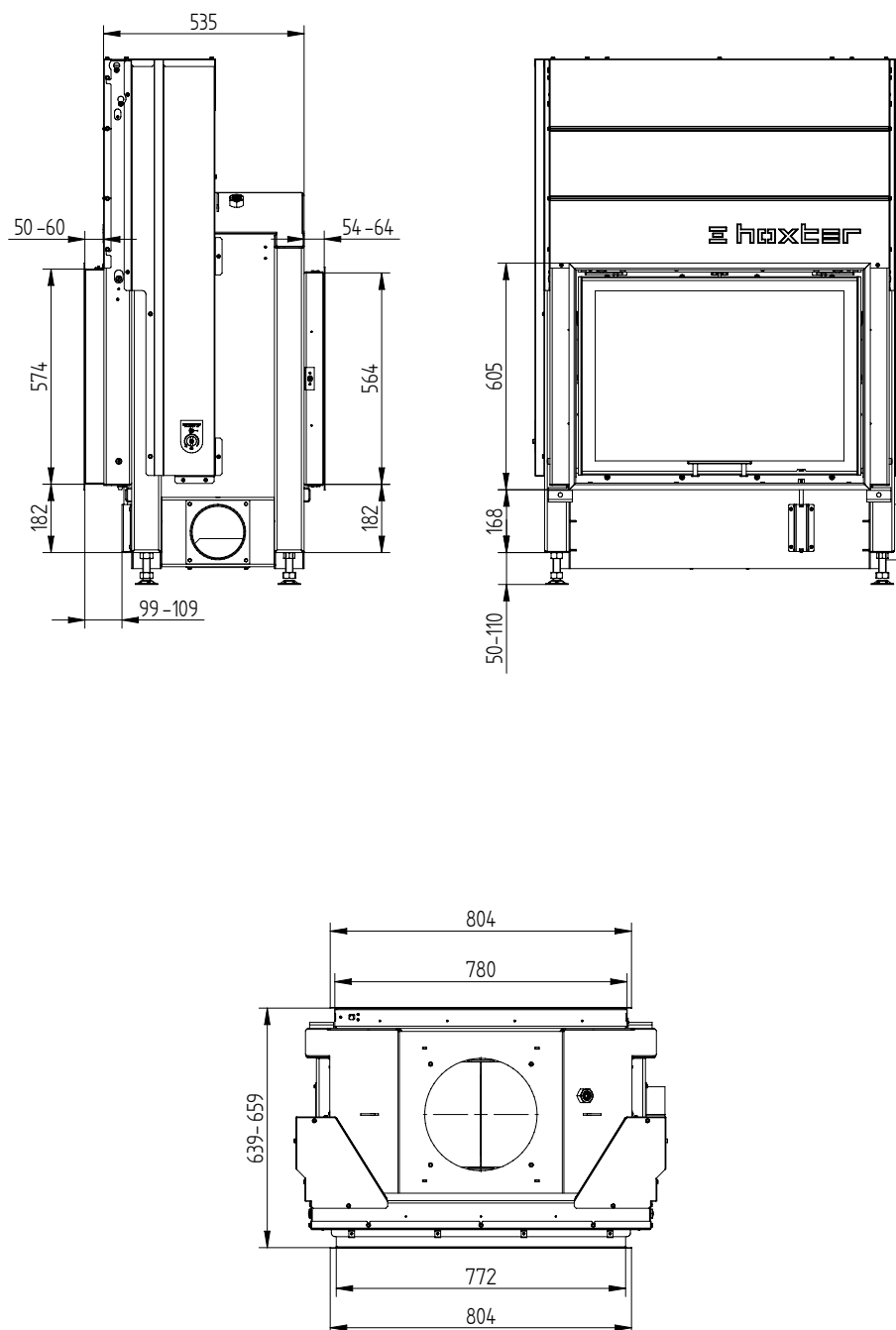
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HAKA 78/57 tunnel accumulation set



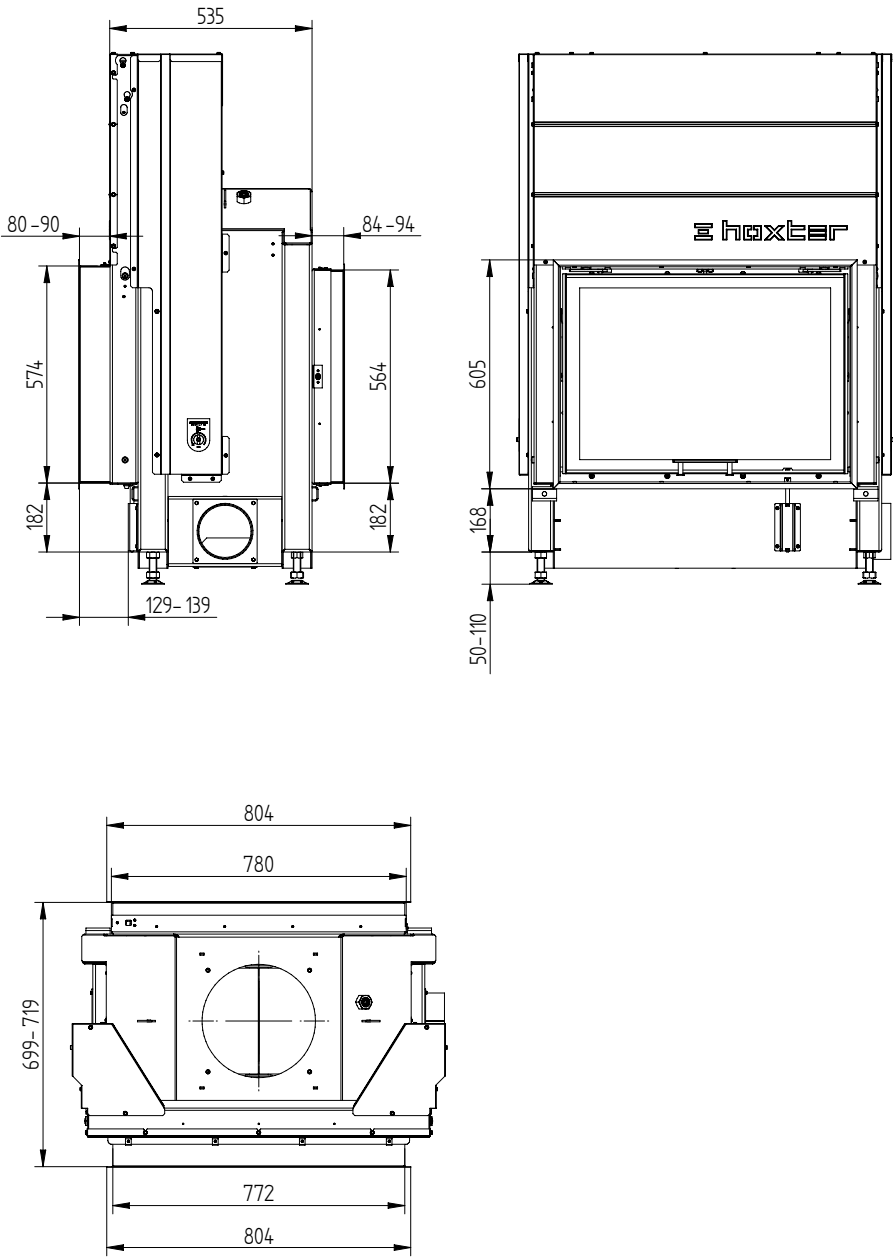
HAKA 78/57T

Cover frame 78/57h 4sides 50 mm 1 x 90°



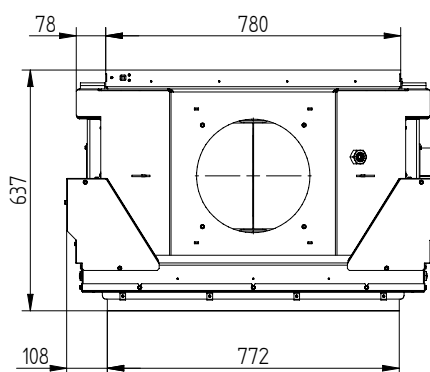
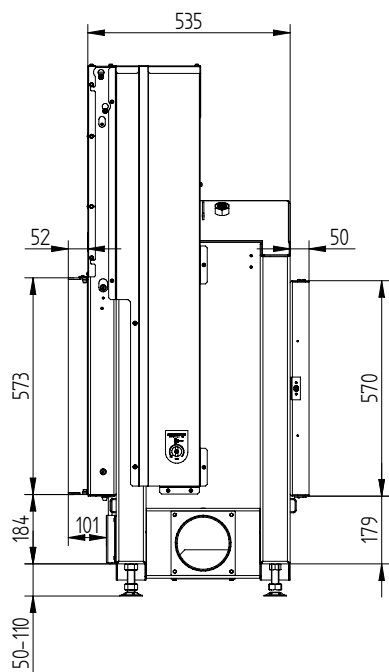
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Cover frame 78/57h 4sides 80 mm 1 x 90°

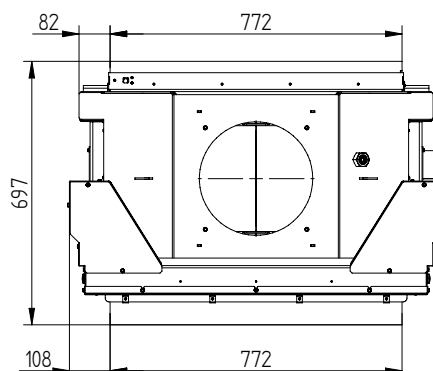
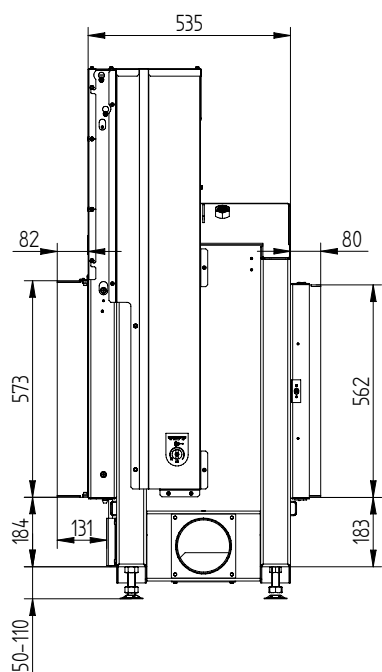


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Build-on frame 78/57h 4sides 50 mm

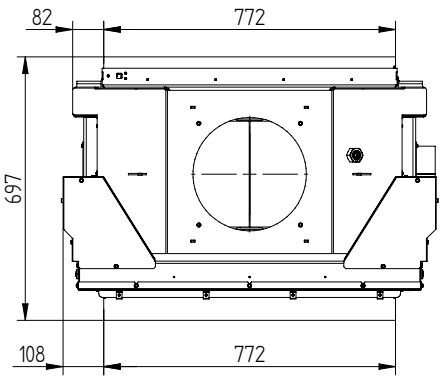
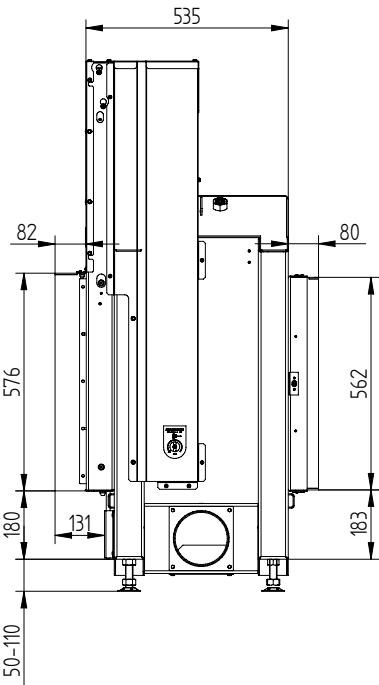


Build-on frame 78/57h 4sides 80 mm



HAKA 78/57T

Build-on frame 78/57h 3sides 80 mm



Convection jacket 78/57h liftdoor hot air exchanger vertical

