

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	2,5 kg/h	3,8 kg/h	6 kg	6 kg
Total heat output of the burning chamber	----	----	24 kW	24 kW
Average heat output / heat accumulation time ⁵	----	----	2,4 kW / 8 h	2,4 kW / 8 h
Mass flow of flue gas	8,1 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	55 m³/h	55 m³/h
Average flue gas temperature				
on the output	239 °C	262 °C	398 °C	407 °C
behind 3,6 m of ceramic accumulation system KMS 300 ¹	----	----	182 °C	----
behind accumulation rings (5x acc. ring Ø440mm)	----	----	----	228 °C
Heat distribution				
fireplace insert	62–72 %	62–72 %	35 %	30 %
door glass (single / double)	38 / 28 %	38 / 28 %	38 / 28 %	38 / 28 %
additional accumulation mass	----	----	23–37 %	32–42 %
Information for ventilated builds				
Minimal grill area supply / outgoing	800 / 950 cm²	1200 / 1450 cm²	1200 / 1450 cm²	1200 / 1450 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		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 245 / 81 kg		circa 245 / 81 kg	
Burning chamber dimensions (width x depth)	550 x 355 mm			
Combustion air connection	Ø 125 mm			
Use in non-ventilated accumulation builds according to craft rules	suitable			
Tested according to	EN 13229			
Meets values	1. BImSchV (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

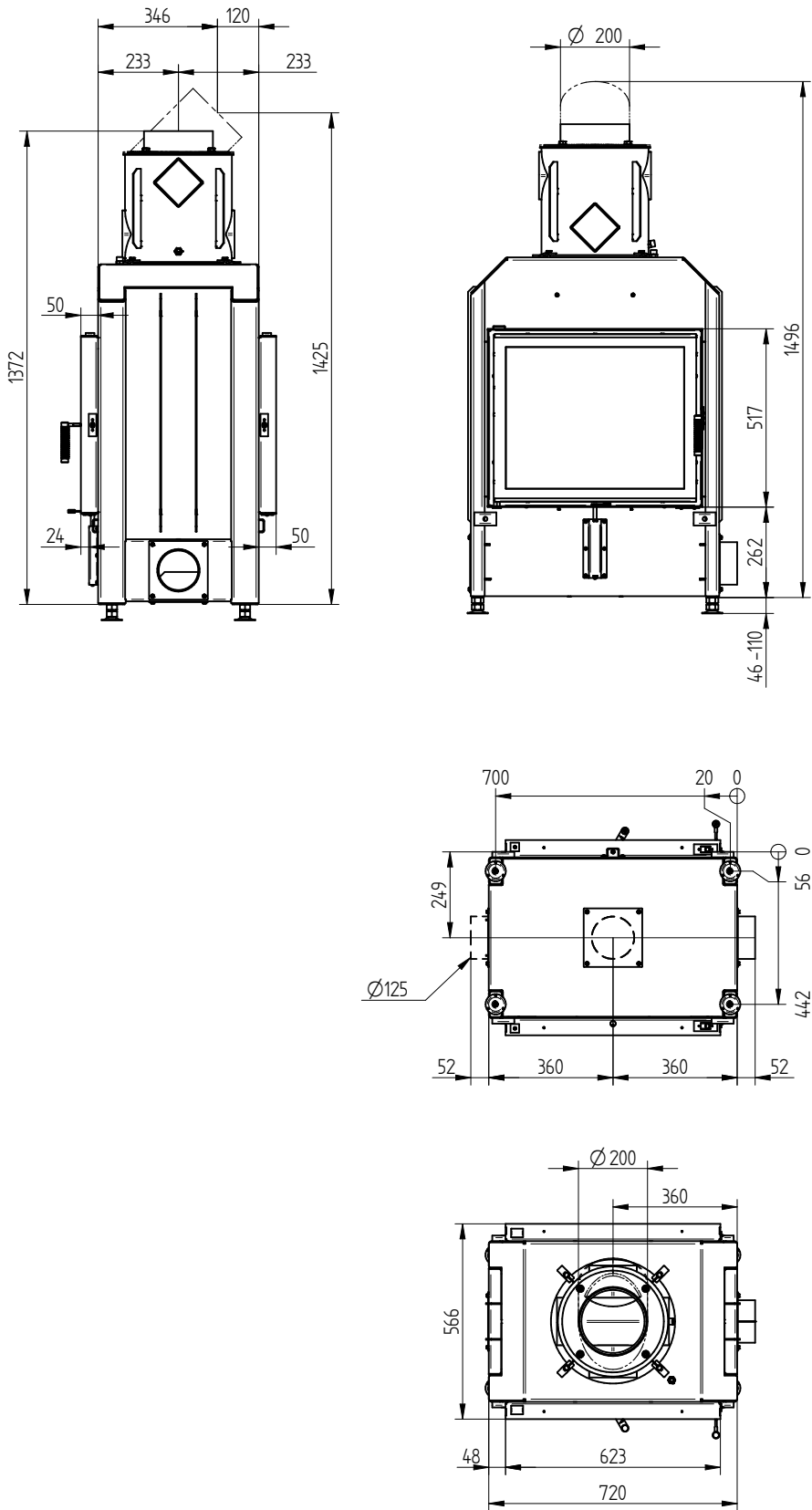
⁴ Depends on accumulation period and material characteristics. Listed values calculated with average specific heat output = approx. 500 W/m²

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

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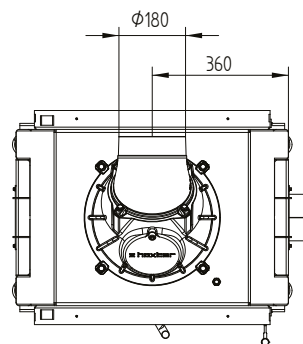
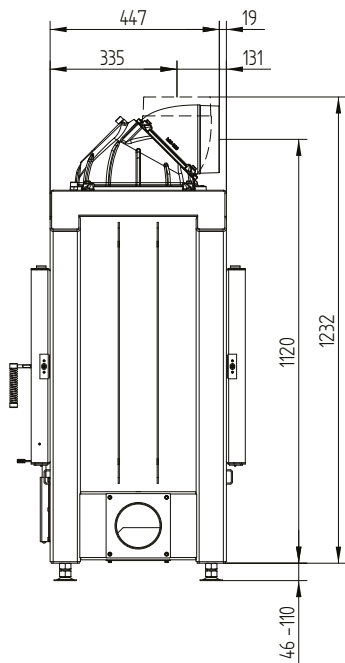
HAKA 63/51 tunnel hot air exchanger vertical / smoke outlet 45° / air inlet / feet



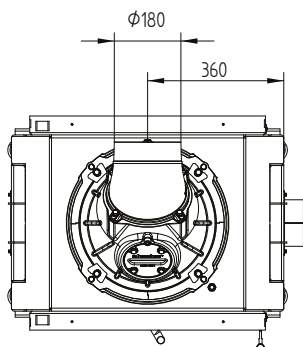
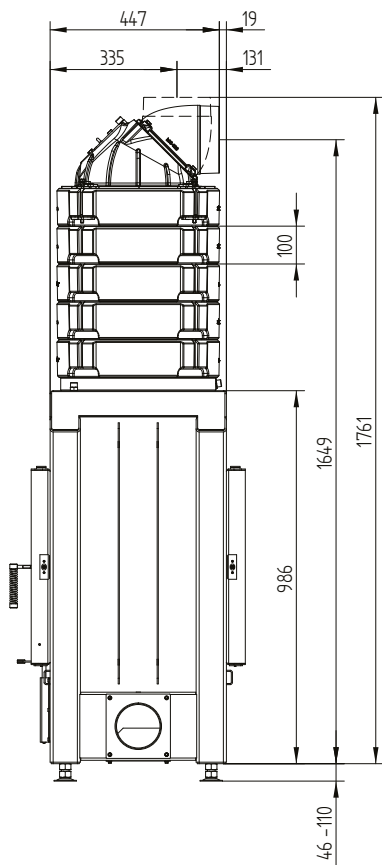
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HAKA 63/51 tunnel cupola



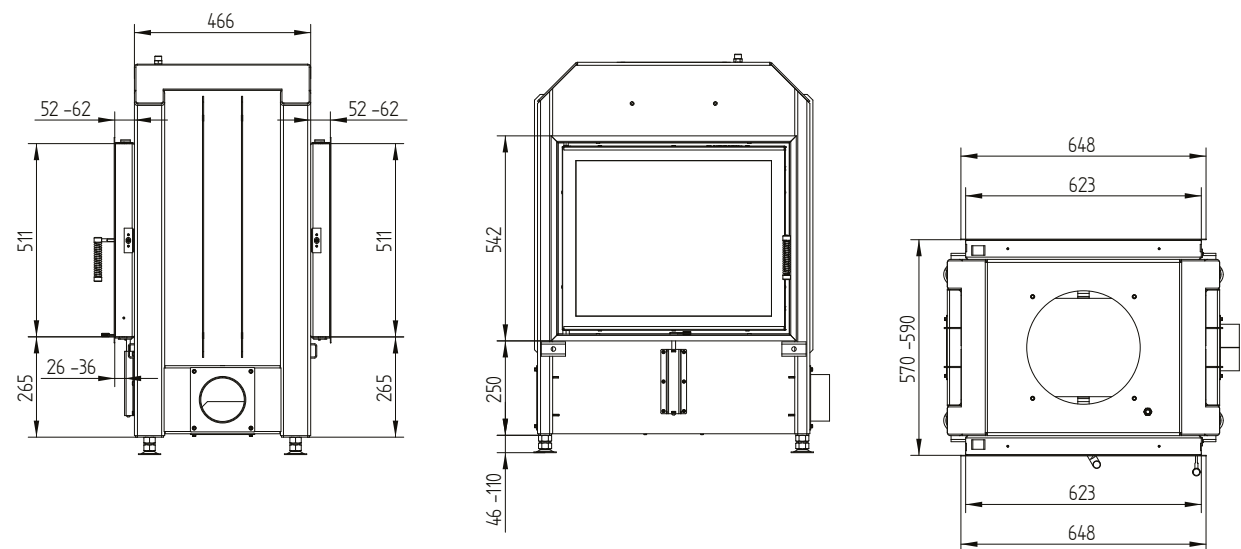
HAKA 63/51 tunnel accumulation set



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Cover frame 63/51 side opening 4sides 50 mm 1 x 90°



Cover frame 63/51 side opening 4sides 80 mm 2 x 45°

