

Technical data	operation when directly connected to chimney	operation when connected accumulation mass	
Energy label	A	A	A
Operating data			
Nominal heat power	8 kW	----	----
Efficiency	> 80 %	----	----
Consumption of wood	2,4 kg/h	4 kg	3,5 kg
Total heat output of the burning chamber	----	16 kW	14 kW
Average heat output / heat accumulation time ⁵	----	1,6 kW / 8 h	1,4 kW / 8 h
Mass flow of flue gas	7,5 g/s	13 g/s	12 g/s
Required chimney pressure	12 Pa	12 Pa	15 Pa
Required amount of combustion air	25 m ³ /h	35 m ³ /h	30 m ³ /h
Average flue gas temperature			
on the output	245 °C	355 °C	340 °C
behind 2,5 m of ceramic accumulation system KMS 240 ¹	----	205 °C	----
behind S-accumulation rings (5x S-acc. ring Ø345mm)	----	----	220 °C
Heat distribution			
fireplace insert	68–78 %	40 %	40 %
door glass (single / double)	32 / 22 %	32 / 22 %	32 / 22 %
additional accumulation mass	----	28–38 %	28–38 %
Information for ventilated builds			
Minimal grill area supply / outgoing	700 / 800 cm ²	700 / 800 cm ²	700 / 800 cm ²
Minimum distance from insulated areas / floor	50 / 0 mm	50 / 0 mm	
Reference insulation ² ceiling / back wall / side wall / floor	120 / 70 / 70 / 0 mm	120 / 70 / 70 / 0 mm	
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	80 / 50 / 50 / 0 mm	80 / 50 / 50 / 0 mm	
Information for non-ventilated builds (closed grills)			
Minimum radiant area ⁴	suitable	3,5 m ²	
Minimum distance from insulated areas / floor	50 / 20 mm	50 / 20 mm	
Reference insulation ² ceiling / back wall / side wall / floor	160 / 90 / 90 / 20 mm	160 / 90 / 90 / 20 mm	
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	120 / 70 / 70 / 20 mm	120 / 70 / 70 / 20 mm	
General technical information			
Total weight / lining weight	circa 200 / 80 kg	circa 200 / 80 kg	
Burning chamber dimensions (width x depth)	720 x 210 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. BlmSchV (Stufe2), 15a BVG		

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

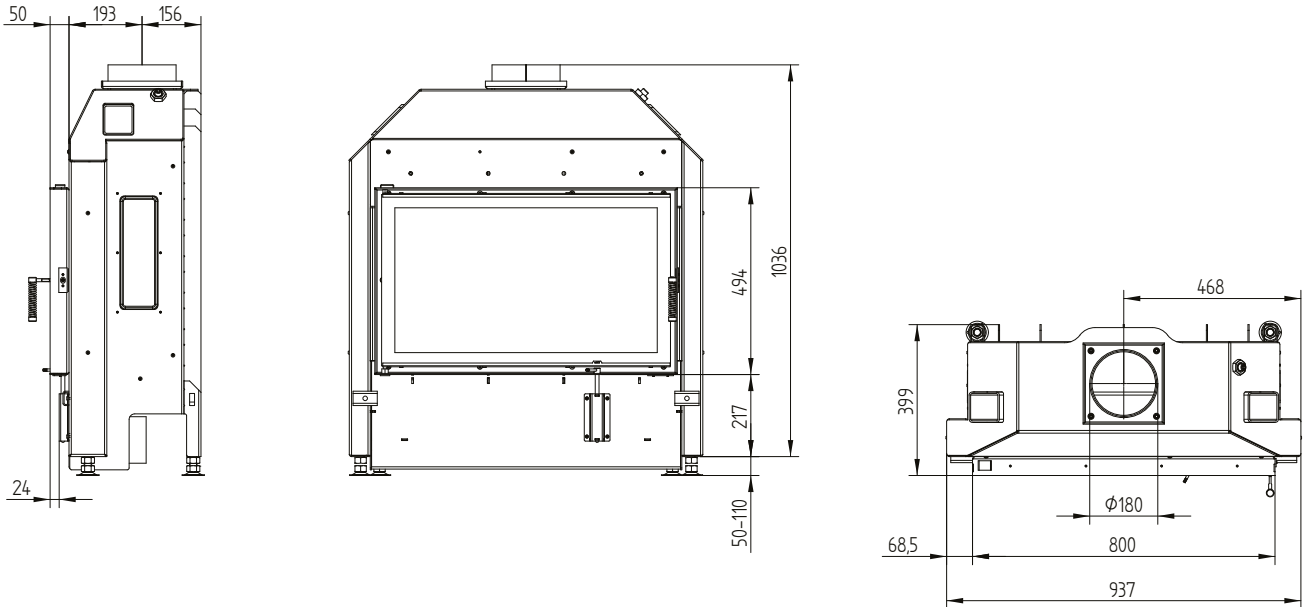
4 Depends on accumulation period and material characteristics. Listed values calculated with average specific heat output = approx. 500 W/m²

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

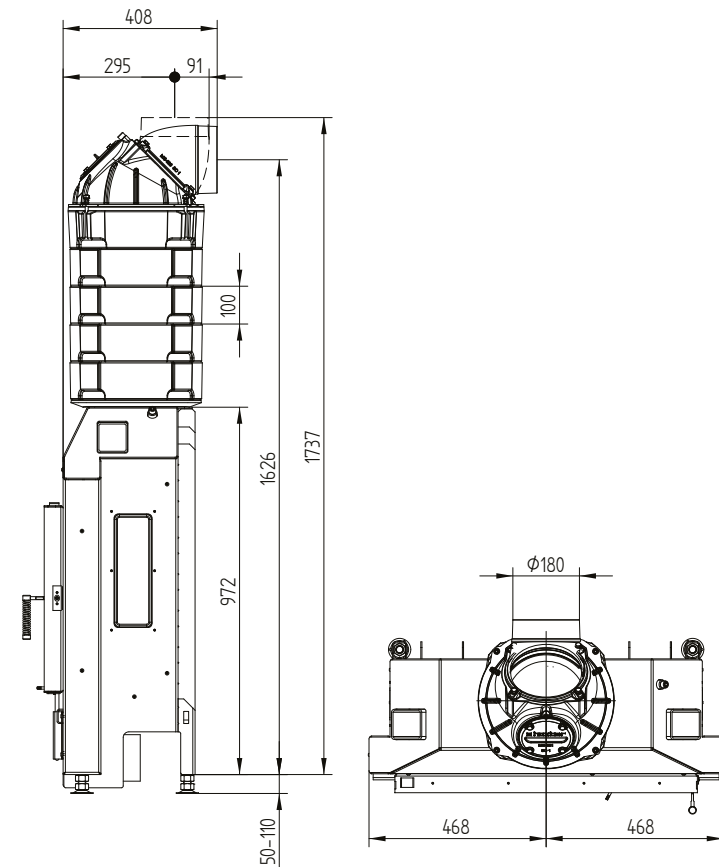
HAKA 80/50S

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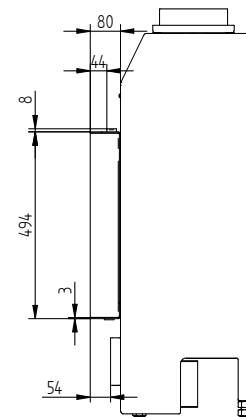
HAKA 80/50



HAKA 80/50 accumulation set



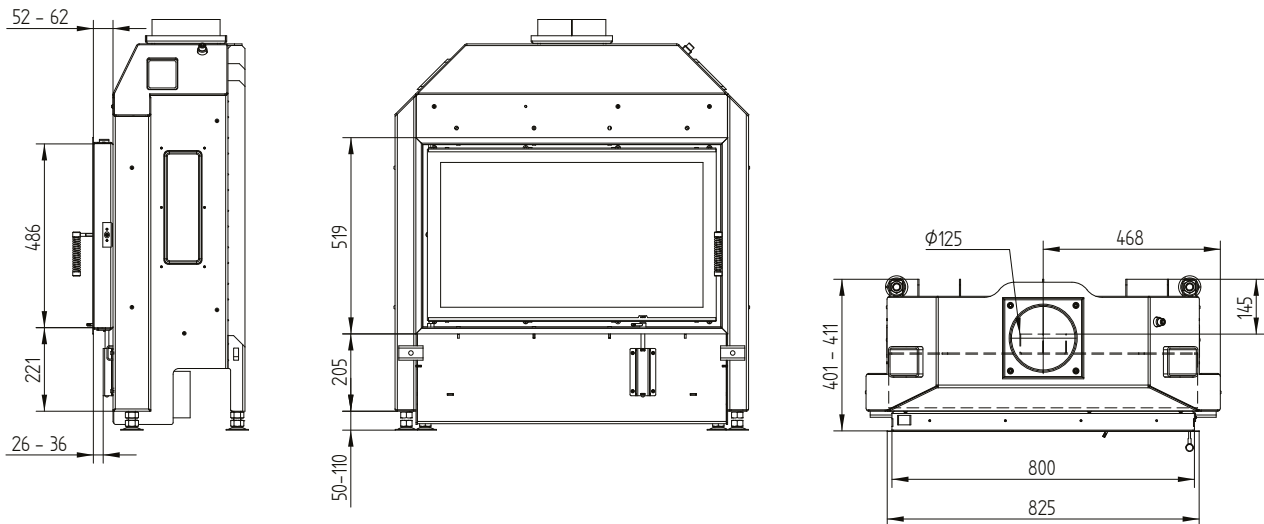
Door frame 80/50 80 mm thick. 3 mm



HAKA 80/50S

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Cover frame 80/50 4sides 50 mm 1 x 90° / air inlet



Cover frame 80/50 4sides 80 mm 2 x 45° / feet

