UKA 56/50/56/52h

Technical data
Version 09/2023

Technical data	operation when directly connected to chimney	operation when connected accumulation mass	
Energy label	A+	A+	
Operating data			
Nominal heat power	11 kW	----	----
Efficiency	> 80 %	----	----
Consumption of wood	3,2 kg/h	4,5 kg	4 kg
Total heat output of the burning chamber	----	18 kW	16 kW
Average heat output / heat accumulation time [5]	----	1,8 kW / 8 h	1,6 kW / 8 h
Mass flow of flue gas	8,1 g/s	15 g/s	12 g/s
Required chimney pressure	12 Pa	12 Pa	15 Pa
Required amount of combustion air	30 m^3/h	40 m^3/h	35 m^3/h
Average flue gas temperature			
on the output	292 °C	350 °C	332 °C
behind 2,4 m of ceramic accumulation system KMS 300 [1]	----	205 °C	----
behind S-accumulation rings (5x S-acc. ring Ø345mm)	----	----	209 °C
Heat distribution			
fireplace insert	50 %	30 %	30 %
door glass (single / double)	50 / 0 %	50 / 0 %	50 / 0 %
additional accumulation mass	----	20 %	20 %
Information for ventilated builds			
Minimal grill area supply / outgoing	700 / 850 cm^2	700 / 850 cm^2	
Minimum distance from insulated areas / floor	50 / 0	50 / 0	
Reference insulation [2] ceiling / back wall / side wall / floor	120 / 80 / 0 / 0	120 / 80 / 0 / 0	
Calciumsilicate insulation [3] ceiling / back wall / side wall / floor	80 / 60 / 0 / 0	80 / 60 / 0 / 0	
Information for non-ventilated builds (closed grills)			
Minimum radiant area [4]	suitable	4 m^2	
Minimum distance from insulated areas / floor	50 / 20 mm	50 / 20 mm	
Reference insulation [2] ceiling / back wall / side wall / floor	160 / 100 / 0 / 20 mm	160 / 100 / 0 / 20 mm	
Calciumsilicate insulation [3] ceiling / back wall / side wall / floor	120 / 75 / 0 / 20 mm	120 / 75 / 0 / 20 mm	
General technical information			
Total weight / lining weight	circa 236 / 43 kg	circa 236 / 43 kg	
Burning chamber dimensions (width x depth)	280 x 410 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	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 SkamoEnclousure Board 225 kg/m^3
4 Depends on accumulation period and material characteristics. Listed values calculated with average specific heat output = approx. 500 W/m^2
5 Storage operation, one wood charge for storage duration, with closed construction and efficiency > 80%

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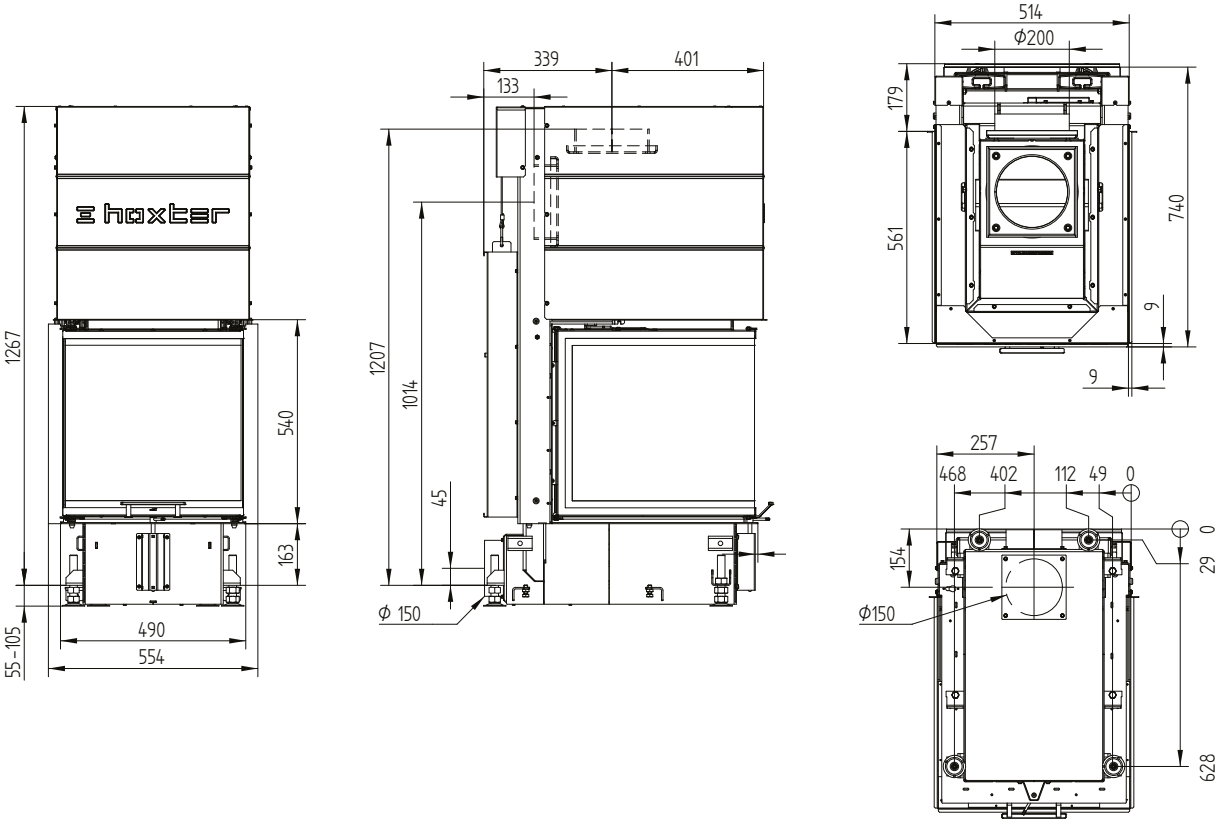
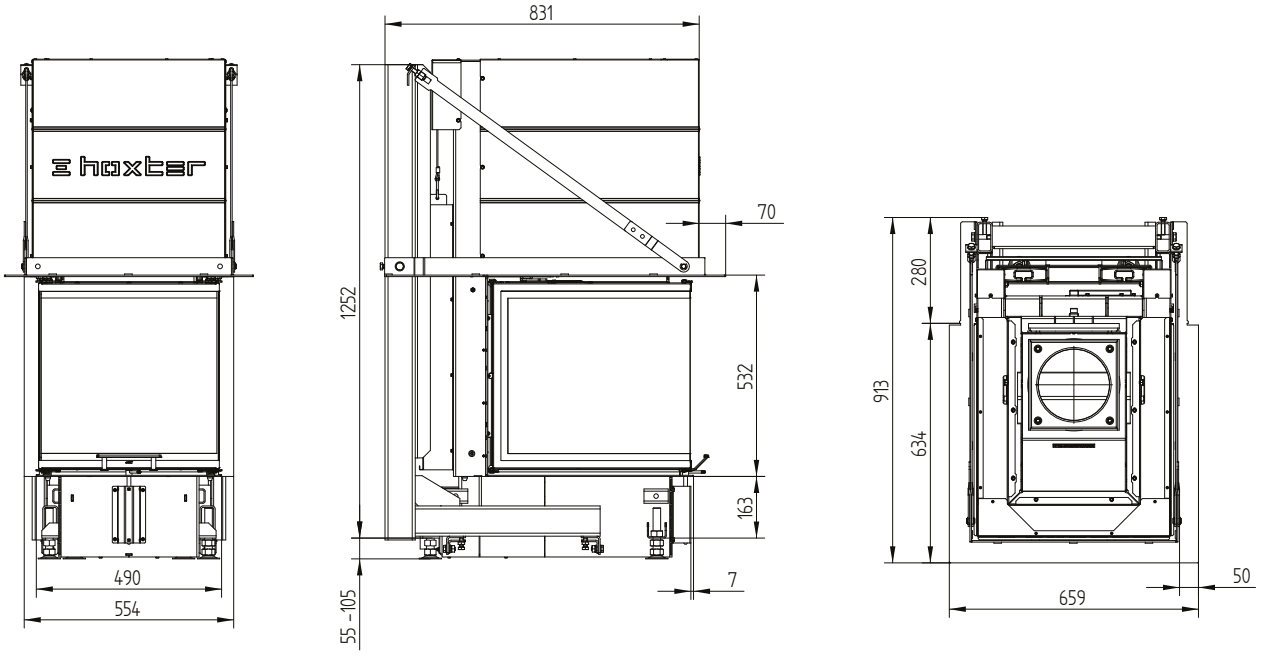
UKA 56/50/56/52h / air inlet / feet



UKA 56/50/56/52h supporting construction incl. build-on frame 3sides 70 mm



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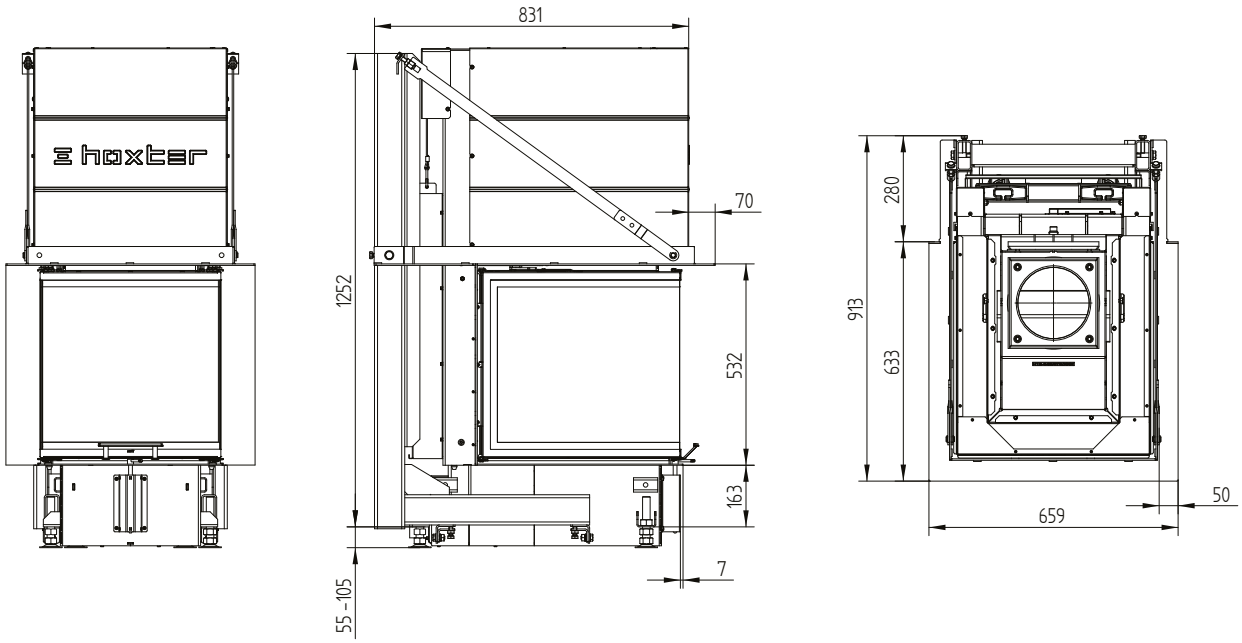
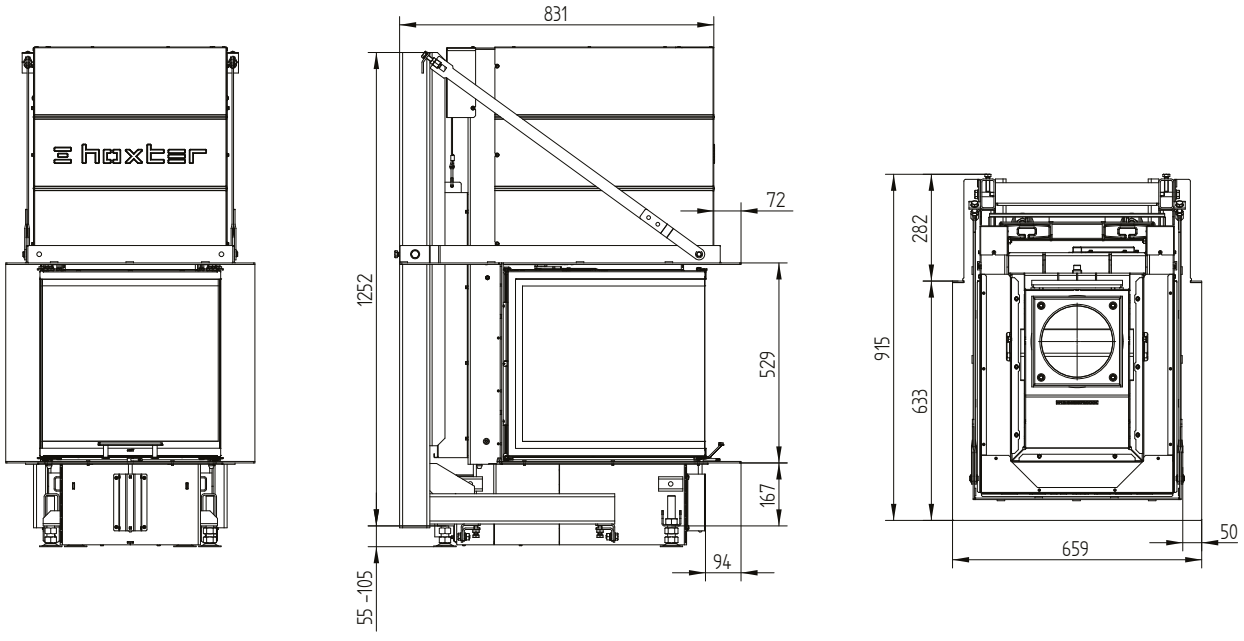
UKA 56/50/56/52h supporting construction incl. build-on frame 5sides 70 mm



UKA 56/50/56/52h supporting construction incl. build-on frame 8sides 70 mm



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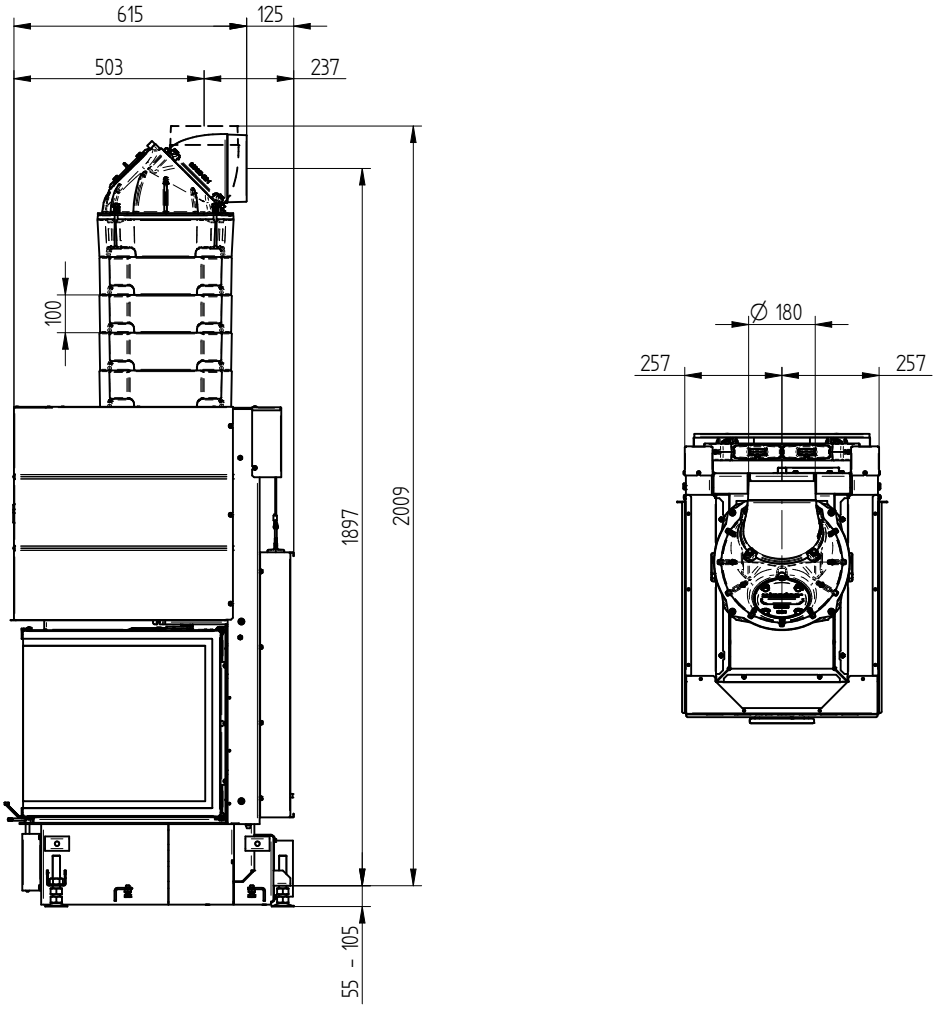
UKA 56/50/56/52h S-accumulation set with adaptor



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