

Technical data

	operation when directly connected to chimney	operation when connected accumulation mass
Energy label	A+	----
Operating data		
Nominal heat power	13 kW	----
Efficiency	> 80 %	----
Consumption of wood	3,7 kg/h	5 kg
Total heat output of the burning chamber	----	20 kW
Average heat output / heat accumulation time ⁵	----	2 kW / 8 h
Mass flow of flue gas	10,7 g/s	18 g/s
Required chimney pressure	12 Pa	12 Pa
Required amount of combustion air	35 m³/h	45 m³/h
Average flue gas temperature		
on the output	291 °C	345 °C
behind 2,4 m of ceramic accumulation system KMS 300 ¹	----	200 °C
Heat distribution		
fireplace insert	40 %	60 %
door glass (single / double)	60 / 0 %	20 / 0 %
additional accumulation mass	----	20 %
Information for ventilated builds		
Minimal grill area supply / outgoing	1050 cm²	1050 cm²
Minimum distance from insulated areas / floor	50 / 0	50 / 0
Reference insulation ² ceiling / back wall / side wall / floor	120 / 70 / 0 / 0	120 / 70 / 0 / 0
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	80 / 50 / 0 / 0	80 / 50 / 0 / 0
Information for non-ventilated builds (closed grills)		
Minimum radiant area ⁴	suitable	4 m²
Minimum distance from insulated areas / floor	50 / 20 mm	50 / 20 mm
Reference insulation ² ceiling / back wall / side wall / floor	160 / 90 / 0 / 20 mm	160 / 90 / 0 / 20 mm
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	120 / 70 / 0 / 20 mm	120 / 70 / 0 / 20 mm
General technical information		
Total weight / lining weight	circa 312 / 59 kg	circa 312 / 59 kg
Burning chamber dimensions (width x depth)	280 x 710 mm	
Combustion air connection	Ø 150 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	BlmSchV (Stufe2), 15a BVG, NS 3059	

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

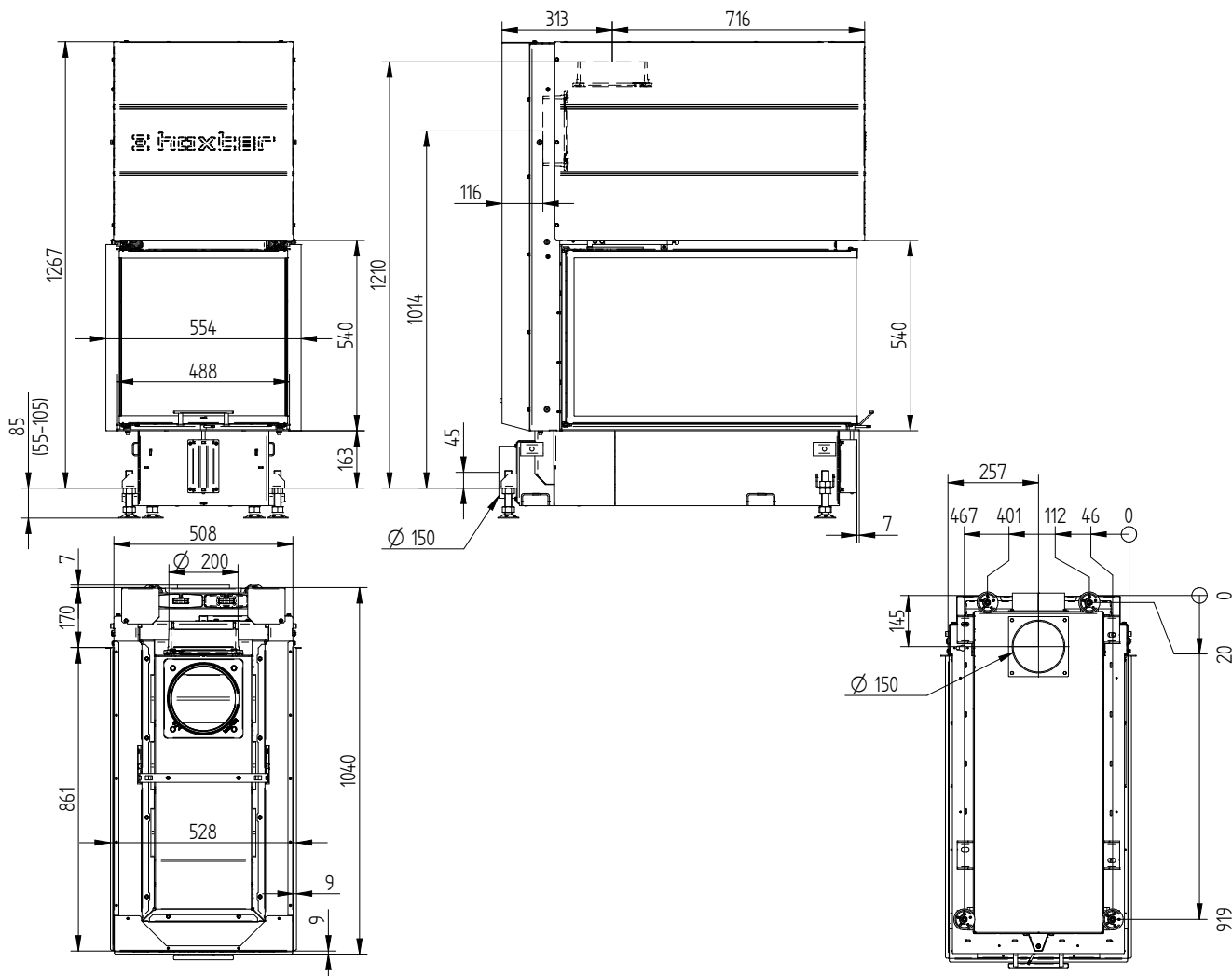
⁴ Depends on accumulation period and material characteristics. Listed values calculated with average specific heat output = approx. 500 W/m²

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

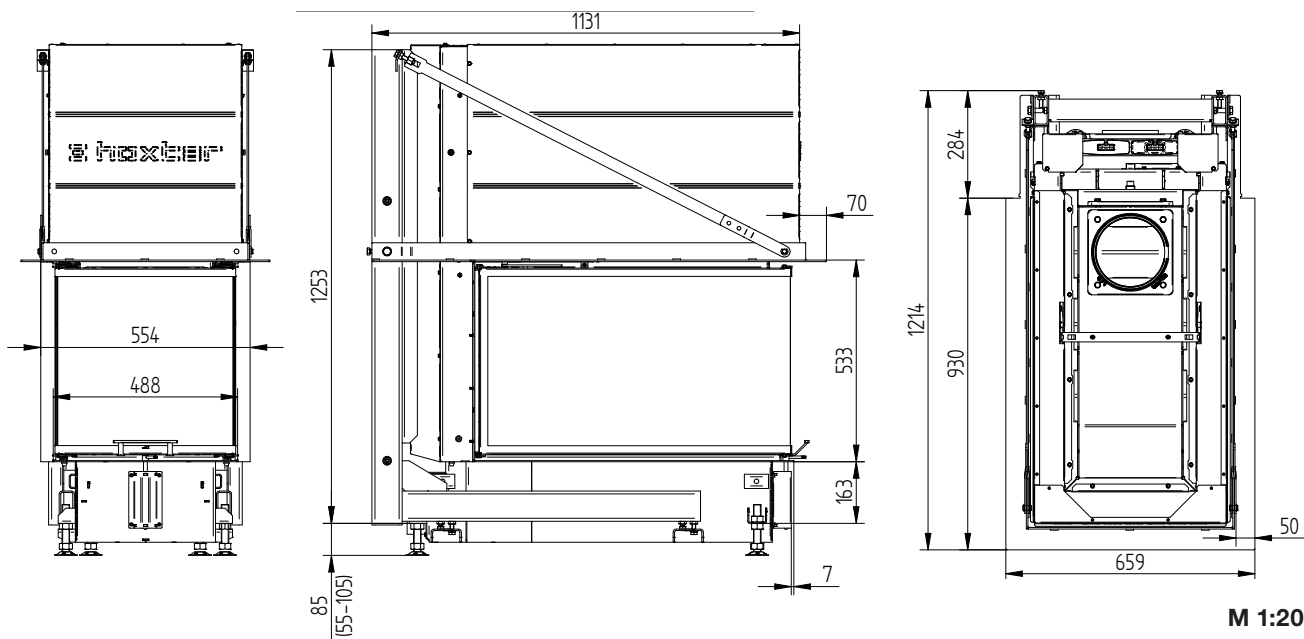
UKA 86/50/86/52h

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UKA 86/50/86/52h / air inlet / feet



UKA 86/50/86/52h supporting construction incl. build-on frame 3sides 70 mm

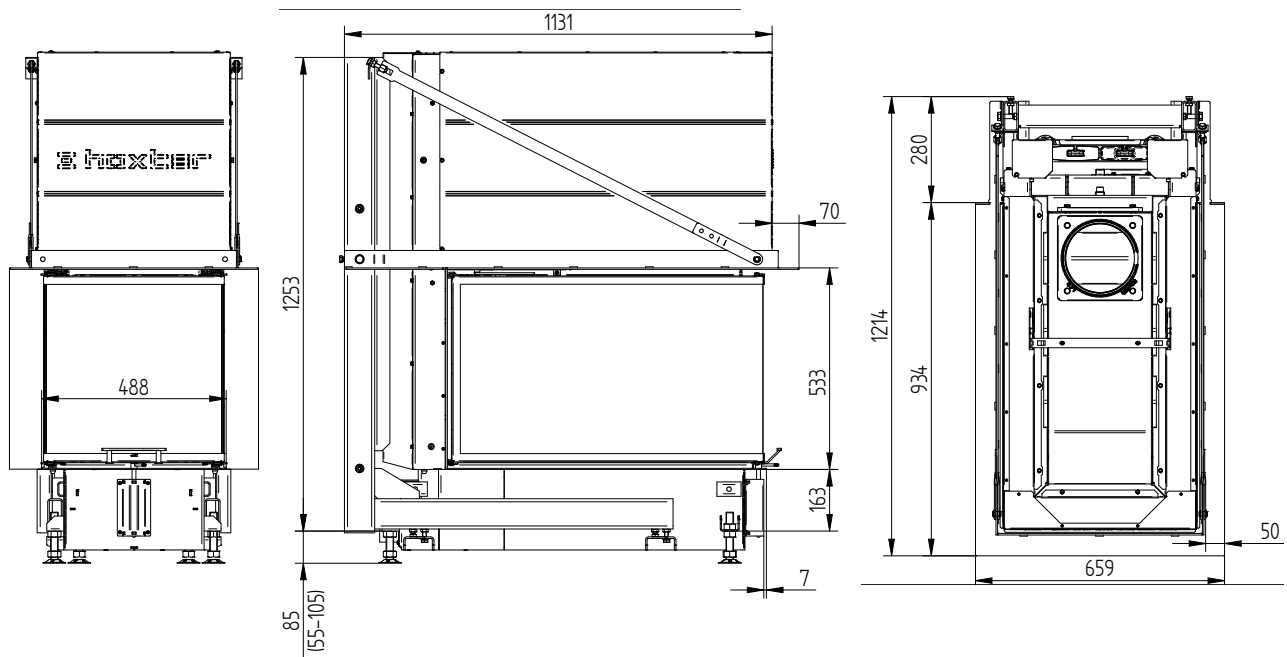


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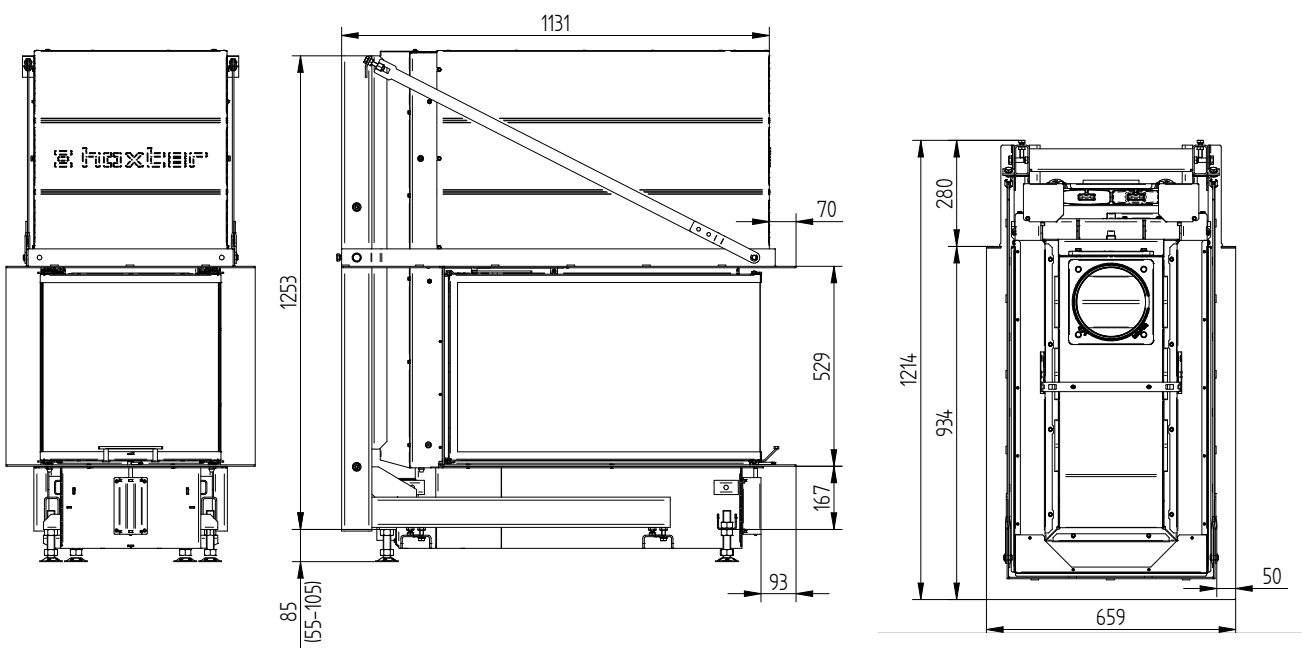
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UKA 86/50/86/52h supporting construction incl. build-on frame 5sides 70 mm



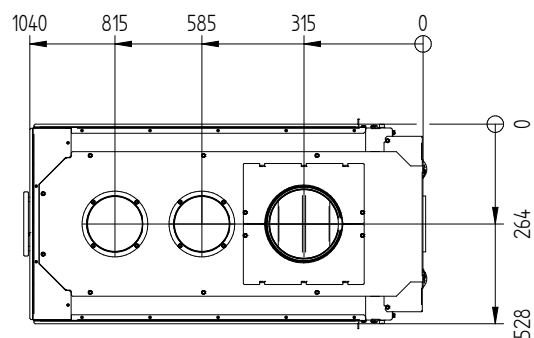
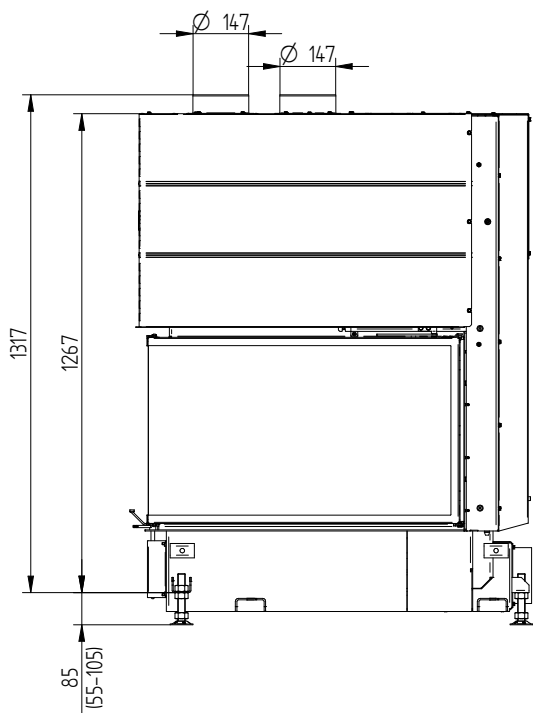
UKA 86/50/86/52h supporting construction incl. build-on frame 8sides 70 mm



UKA 86/50/86/52h

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UKA 86/50/86/52h Convection jacket



UKA 86/50/86/52h

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