

Technical data	operation when directly connected to chimney	operation when connected accumulation mass
Energy label	<b>A</b>	<b>A</b>
<b>Operating data</b>		
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 <sup>5</sup>	----	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 m <sup>3</sup> /h	45 m <sup>3</sup> /h
<b>Average flue gas temperature</b>		
on the output	291 °C	345 °C
behind 2,4 m of ceramic accumulation system KMS 300 <sup>1</sup>	----	200 °C
<b>Heat distribution</b>		
fireplace insert	40 %	60 %
door glass (single / double)	60 / 0 %	20 / 0 %
additional accumulation mass	----	20 %
<b>Information for ventilated builds</b>		
Minimal grill area supply / outgoing	1050 / 1250 cm <sup>2</sup>	1050 / 1250 cm <sup>2</sup>
Minimum distance from insulated areas / floor	50 / 0	50 / 0
Reference insulation <sup>2</sup> ceiling / back wall / side wall / floor	120 / 70 / 0 / 0	120 / 70 / 0 / 0
Calciumsilicate insulation <sup>3</sup> ceiling / back wall / side wall / floor	80 / 50 / 0 / 0	80 / 50 / 0 / 0
<b>Information for non-ventilated builds (closed grills)</b>		
Minimum radiant area <sup>4</sup>	suitable	4 m <sup>2</sup>
Minimum distance from insulated areas / floor	50 / 20 mm	50 / 20 mm
Reference insulation <sup>2</sup> ceiling / back wall / side wall / floor	160 / 90 / 0 / 20 mm	160 / 90 / 0 / 20 mm
Calciumsilicate insulation <sup>3</sup> ceiling / back wall / side wall / floor	120 / 70 / 0 / 20 mm	120 / 70 / 0 / 20 mm
<b>General technical information</b>		
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 13229	
Meets values	BlmSchV (Stufe2), 15a BVG, NS 3059	

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/m<sup>3</sup>

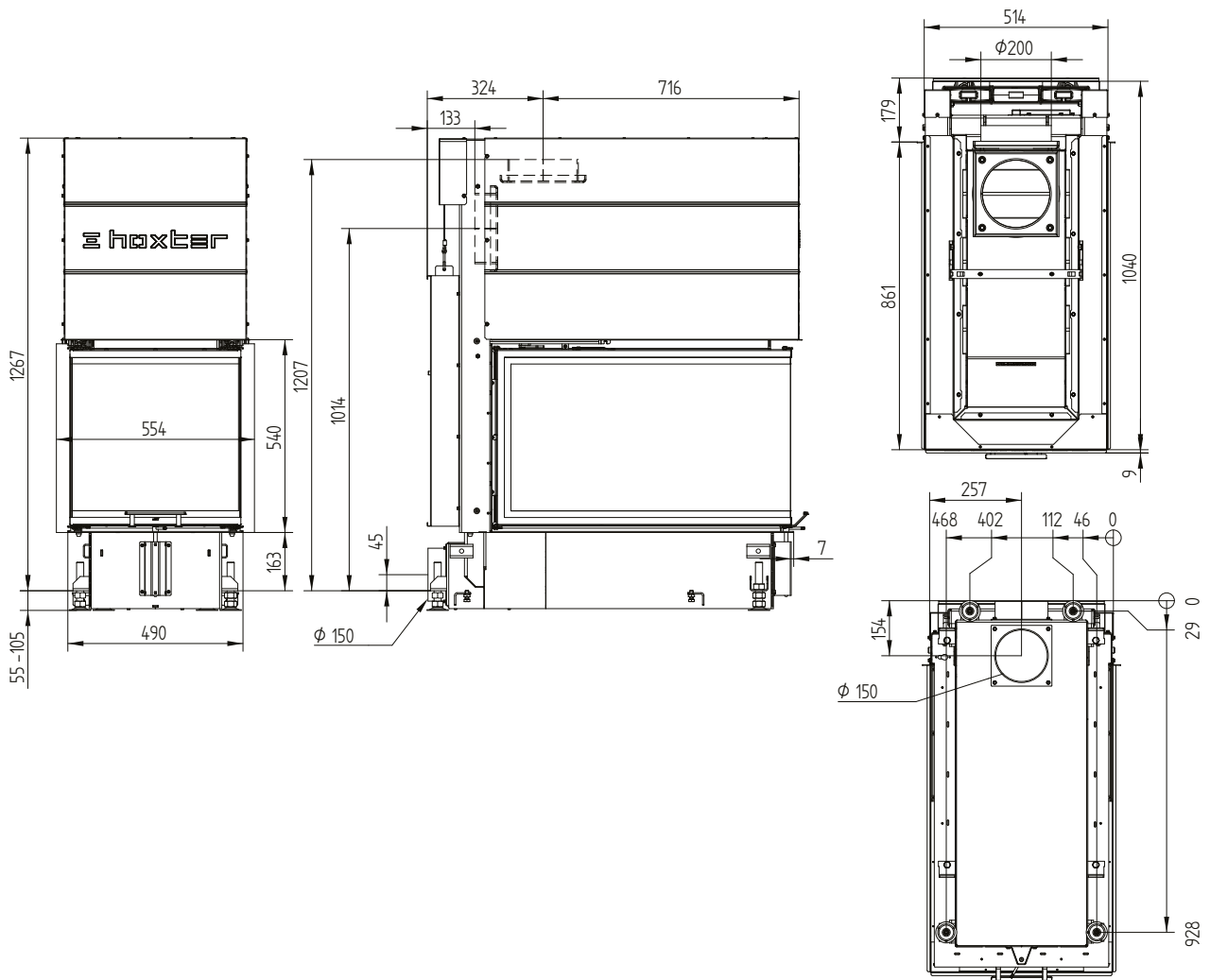
4 Depends on accumulation period and material characteristics. Listed values calculated with average specific heat output = approx. 500 W/m<sup>2</sup>

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

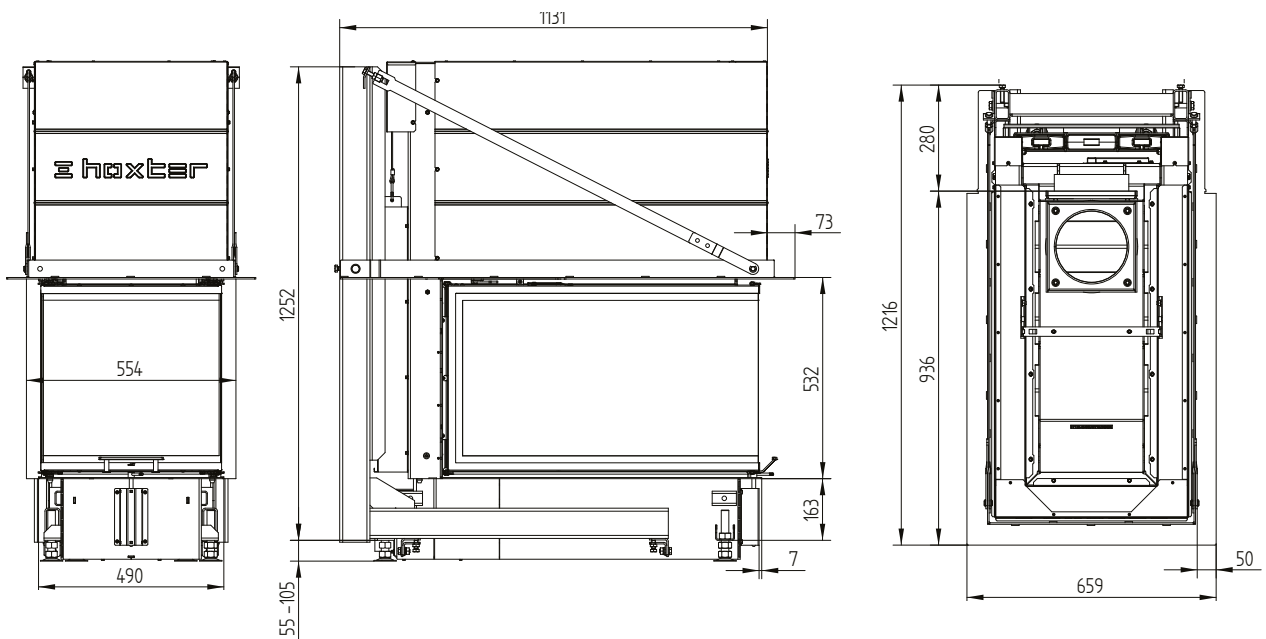
# UKA 86/50/86/52h

Technical data  
Version 09/2023

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



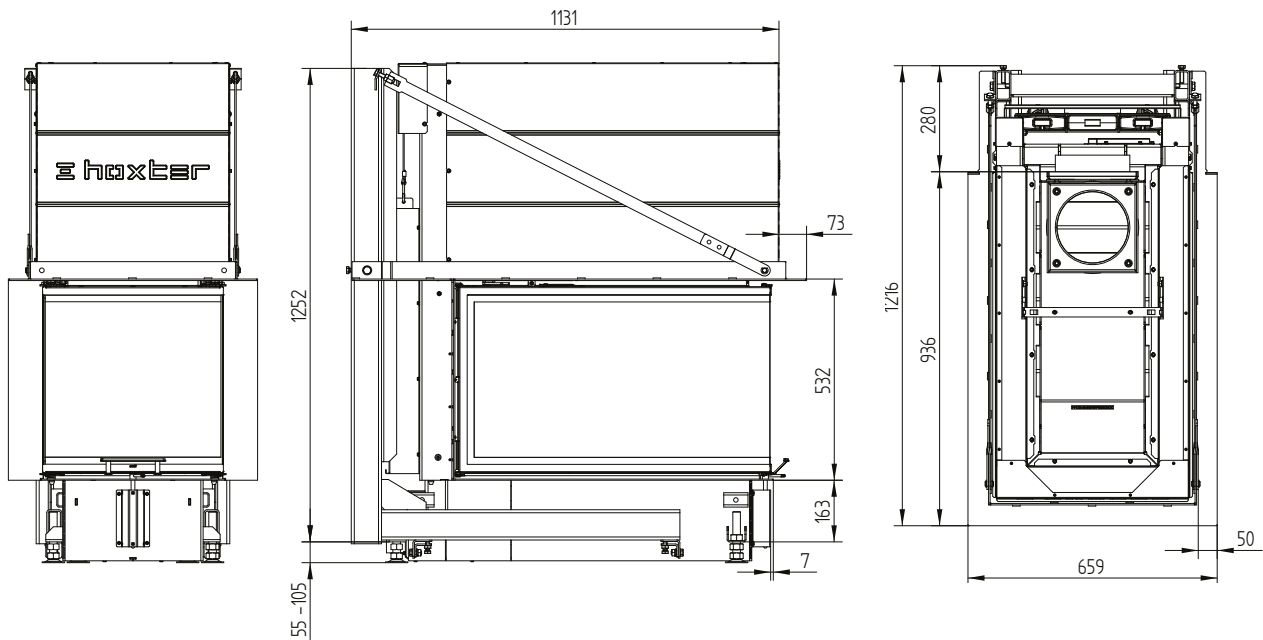
## UKA 86/50/86/52h supporting construction incl. build-on frame 3sides 70 mm



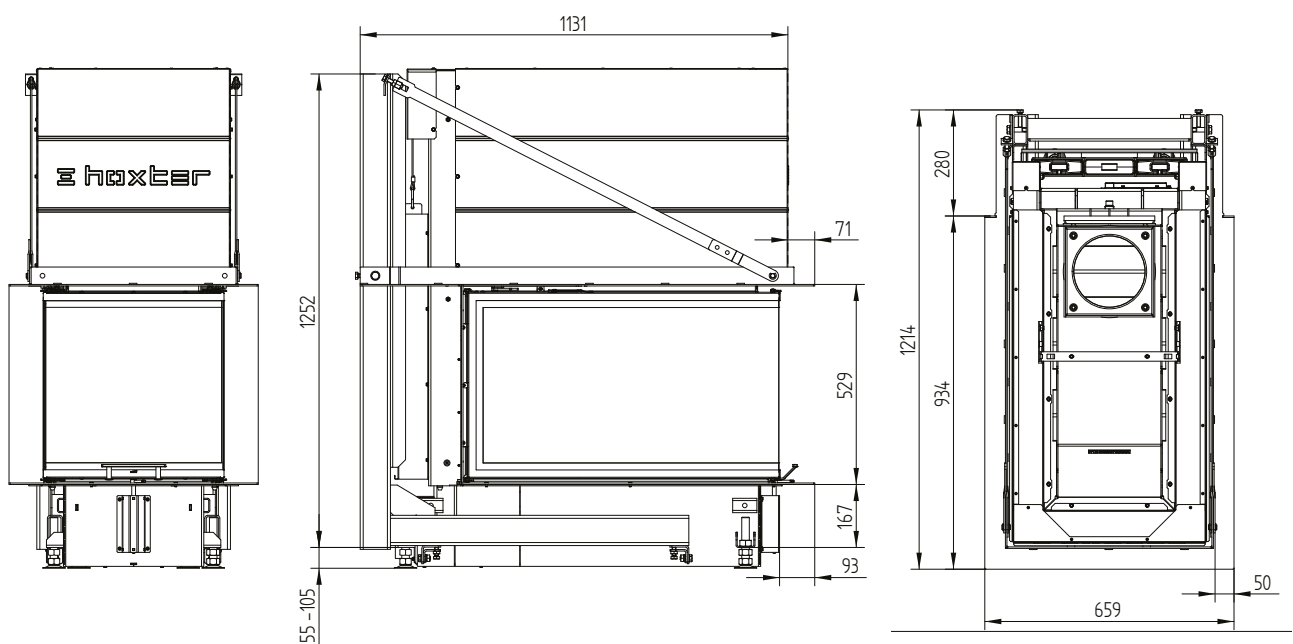
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Technical data  
Version 09/2023

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

Technical data  
Version 09/2023

## UKA 86/50/86/52h Convection jacket

