UKA 35/45/35/50S

Technical data
Version 2021/09

	operation when directly connected to chimney	operation when connected accumulation mass
Energy label	A+	A+
Operating data		
Nominal heat power	6 kW	----
Efficiency	> 80 %	----
Consumption of wood	1,8 kg/h	3 kg
Total heat output of the burning chamber	----	11 kW
Mass flow of flue gas	6 g/s	10 g/s
Required chimney pressure	12 Pa	12 Pa
Required amount of combustion air	20 m^3/h	30 m^3/h
Average flue gas temperature		
on the output	230 °C	300 °C
past 2,1 m of ceramic accumulation system KMS 300 [1]	----	180 °C
Heat distribution		
fireplace insert	54 %	27 %
door glass (single / double)	46 / - %	46 / - %
adjoining accumulation mass	----	27 %
Information for ventilated builds		
Minimal grill area supply / outgoing	700 / 800 cm^2	700 / 800 cm^2
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]	4 m^2	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 / 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	ca. 135 / 36 kg	ca. 135 / 36 kg
Burning chamber dimensions (width x depth)	250 x 205 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	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 chamotte stone thickness 30 mm with radiant area 500 W/m^2

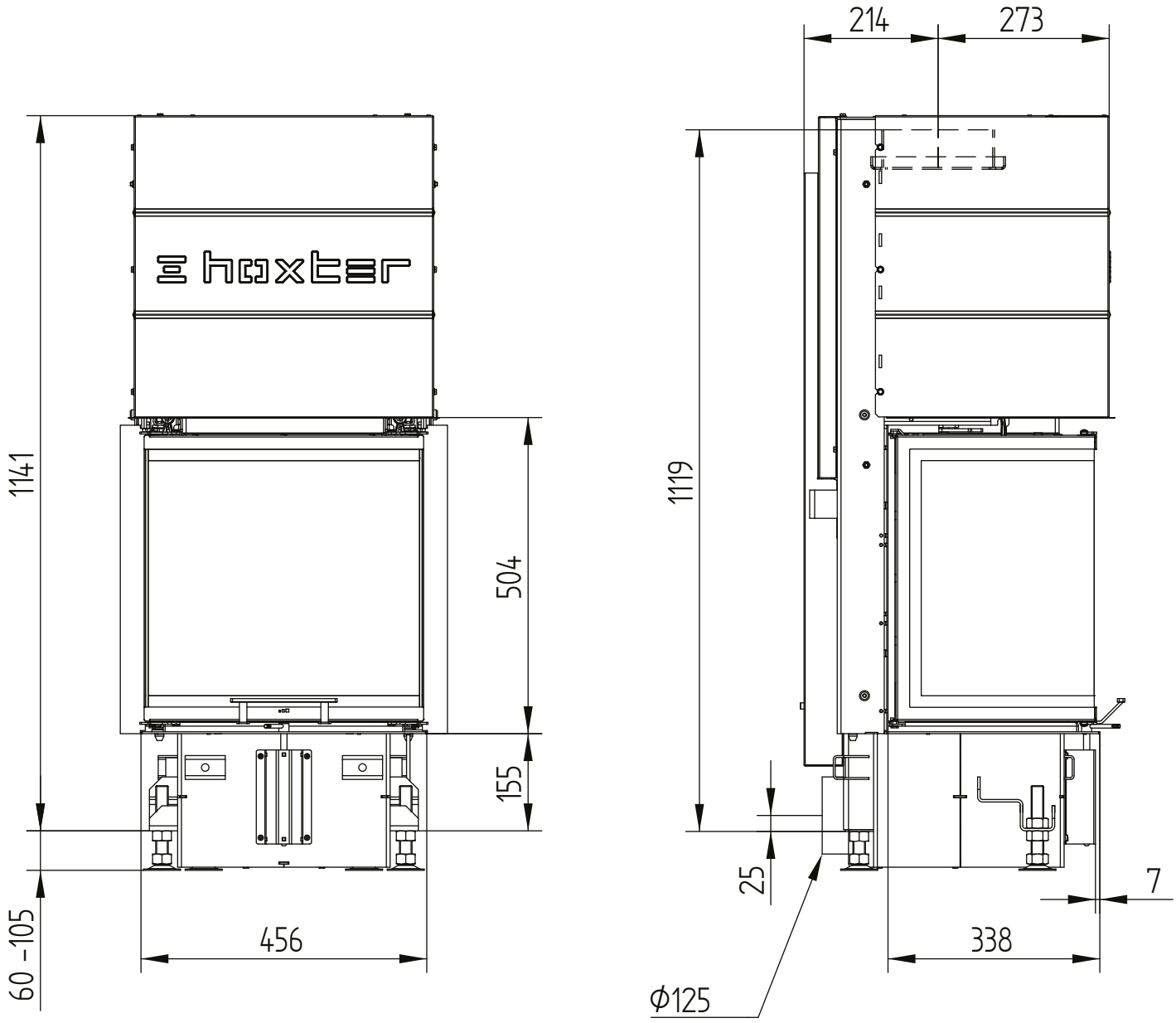
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air connection / feet

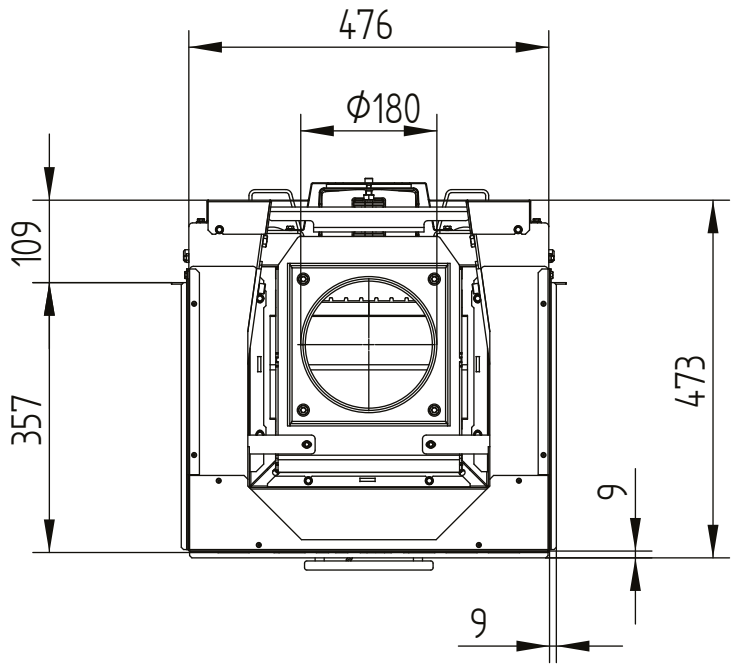
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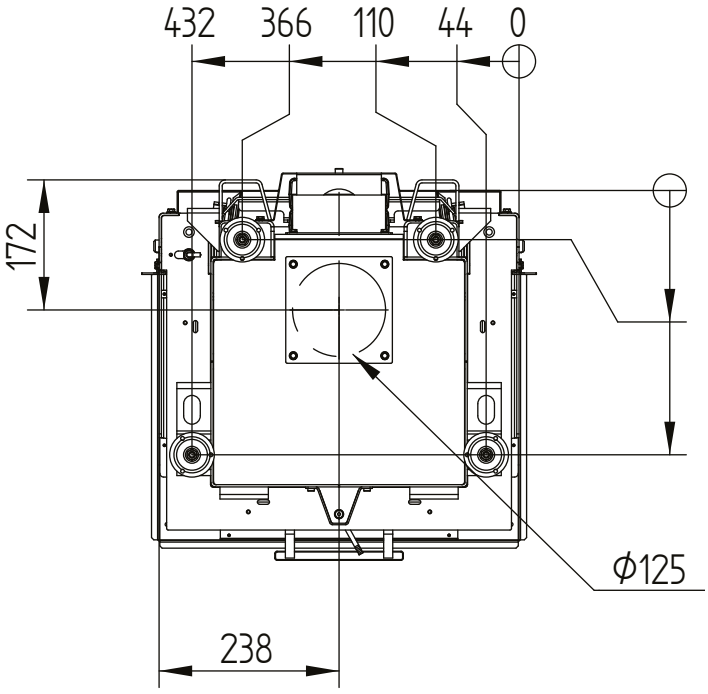


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air connection / feet

M 1:10



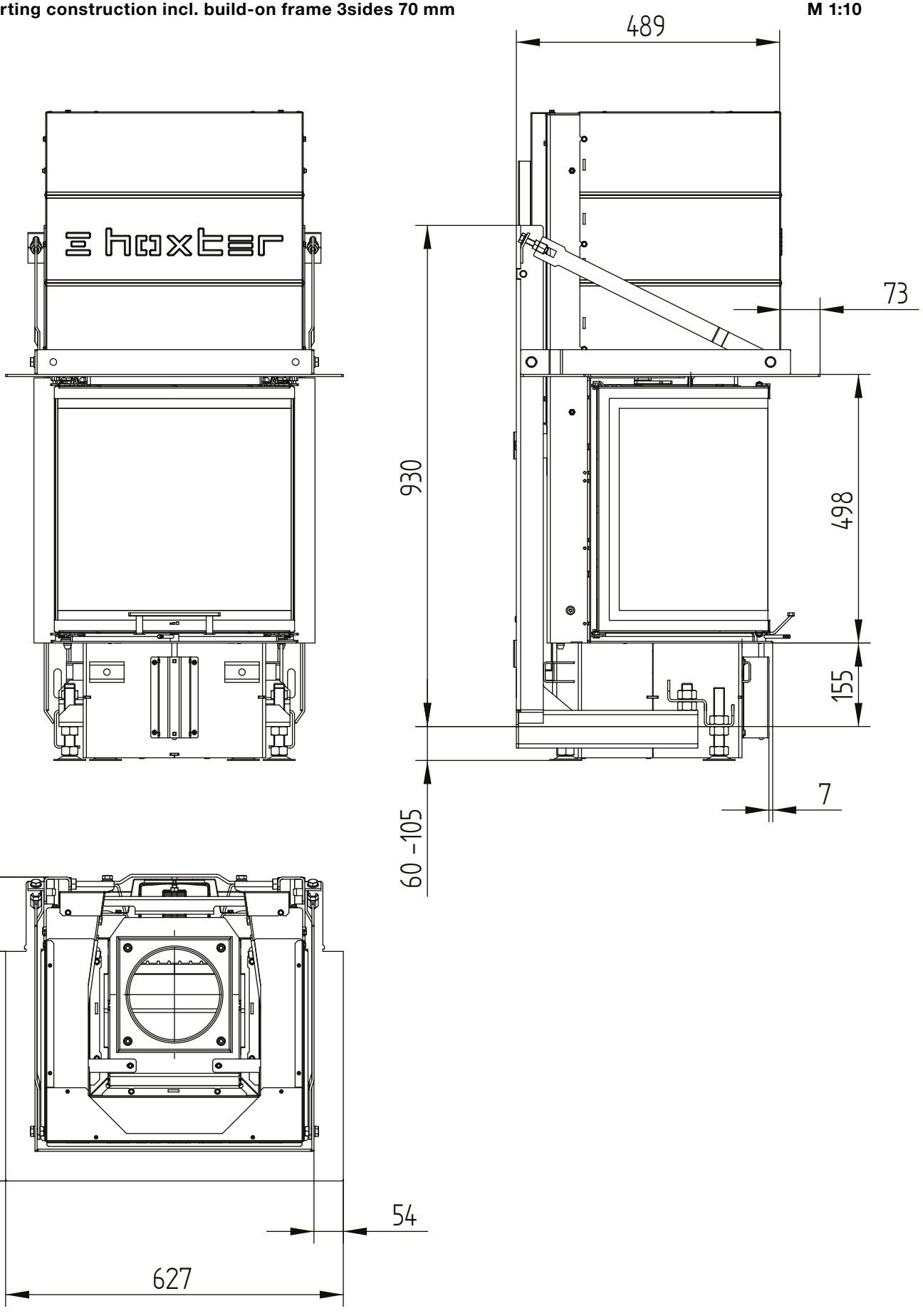


UKA 35/45/35/50S

Technical data
Version 2021/09

supporting construction incl. build-on frame 3sides 70 mm

M 1:10

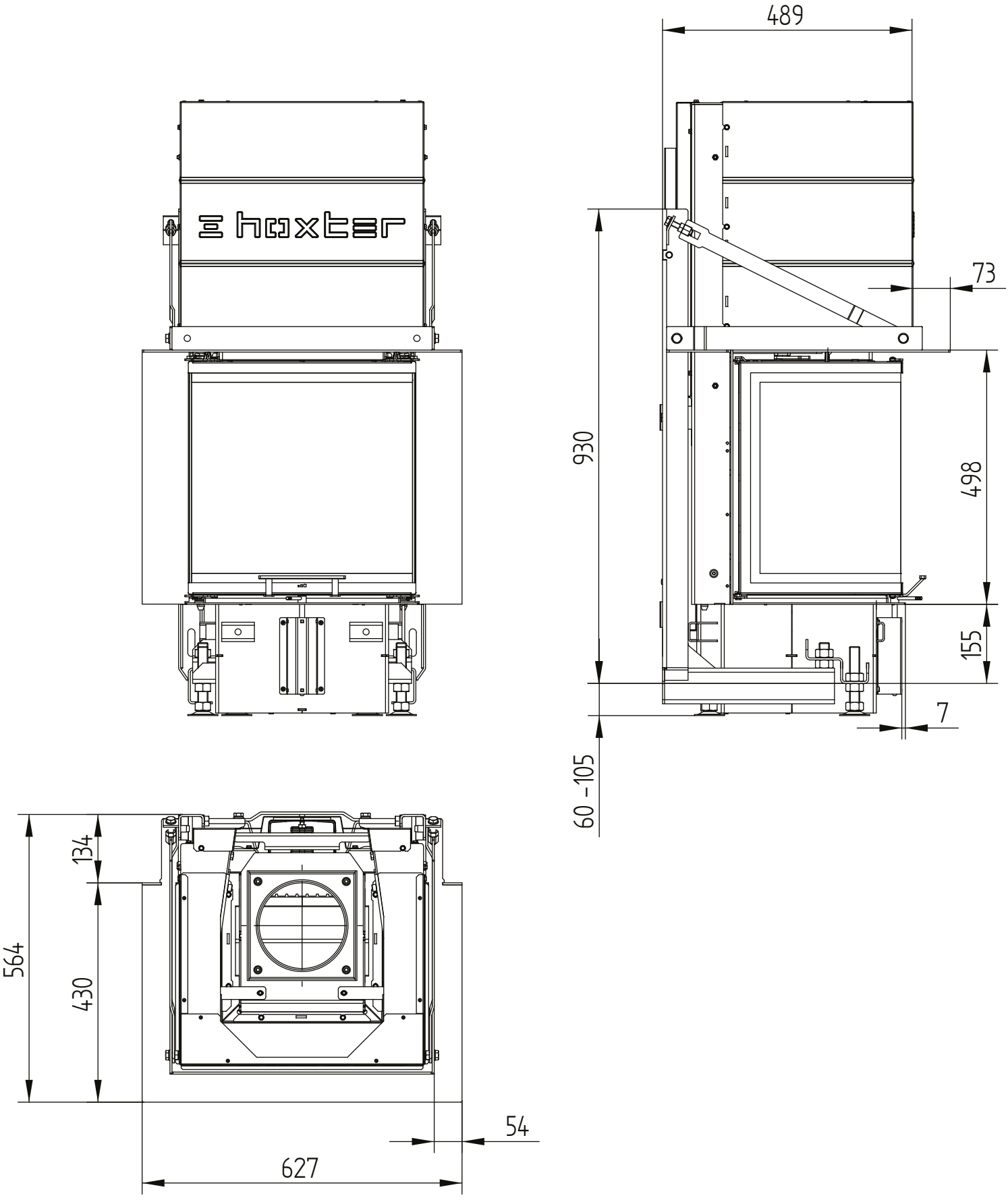


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UKA 35/45/35/50S

Technical data
Version 2021/09

supporting construction incl. build-on frame 5sides 70 mm **M 1:10**

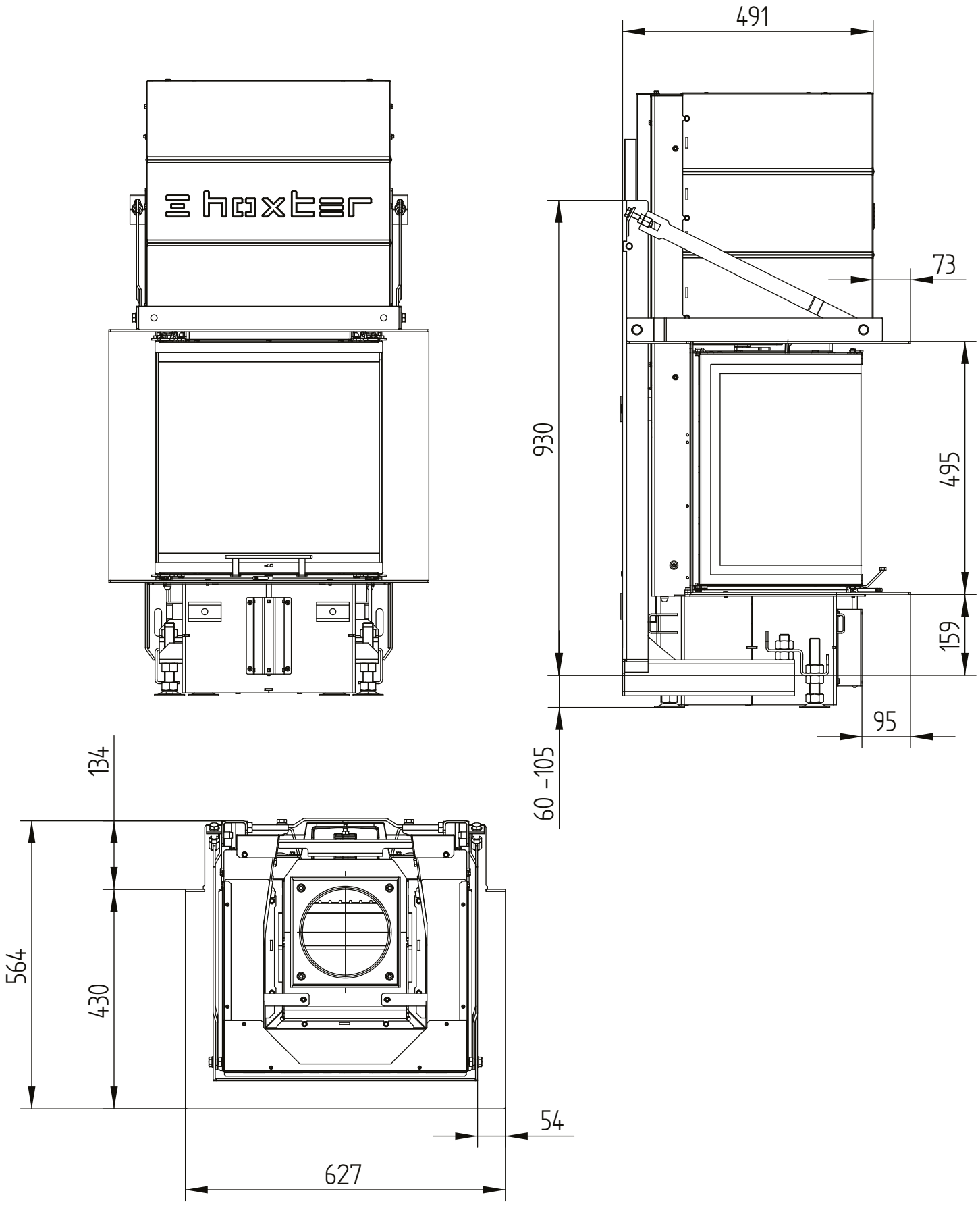


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UKA 35/45/35/50S

Technical data
Version 2021/09

supporting construction incl. build-on frame 8sides 70 mm **M 1:10**



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