

	operation when directly connected to chimney		operation when connected accumulation mass	
	cupola	hot air exchanger	cupola	adaptor
Energy label				
Operating data				
Nominal heat power	7 kW	10 kW	----	----
Efficiency	> 80 %	> 80 %	----	----
Consumption of wood	2,2 kg/h	3 kg/h	5 kg	5 kg
Total heat output of the burning chamber	----	----	19 kW	19 kW
Mass flow of flue gas	6,4 g/s	9,6 g/s	15 g/s	15 g/s
Required chimney pressure	12 Pa	12 Pa	12 Pa	15 Pa
Required amount of combustion air	30 m³/h	35 m³/h	50 m³/h	50 m³/h
Average flue gas temperature				
on the output	254 °C	269 °C	394 °C	404 °C
past 3,6 m of ceramic accumulation system KMS 300 ¹	----	----	178 °C	----
past accumulation rings (5x acc. ring Ø440mm)	----	----	----	235 °C
Heat distribution				
fireplace insert	64–75 %	64–75 %	36 %	32 %
door glass (single / double)	36 / 25 %	36 / 25 %	36 / 25 %	36 / 25 %
adjoining accumulation mass	----	----	28–39 %	32–42 %
Information for ventilated builds				
Minimal grill area supply / outgoing	650 / 800 cm²	950 / 1150 cm²	950 / 1150 cm²	950 / 1150 cm²
Minimum distance from insulated areas / floor	80 / 0 mm		80 / 0 mm	
Reference insulation ² ceiling / back wall / side wall / floor	120 / 80 / 80 / 0 mm		120 / 80 / 80 / 0 mm	
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	90 / 60 / 60 / 0 mm		90 / 60 / 60 / 0 mm	
Information for non-ventilated builds (closed grills)				
Minimum radiant area ⁴	4 m²		4,5 m²	
Minimum distance from insulated areas / floor	80 / 20 mm		80 / 20 mm	
Reference insulation ² ceiling / back wall / side wall / floor	160 / 100 / 100 / 20 mm		160 / 100 / 100 / 20 mm	
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	120 / 75 / 75 / 20 mm		120 / 75 / 75 / 20 mm	
General technical information				
Total weight / lining weight	ca. 186 / 67 kg		ca. 186 / 67 kg	
Burning chamber dimensions (width x depth)	355 x 355 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. 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 SkamoEnclosure Board 225 kg/m³

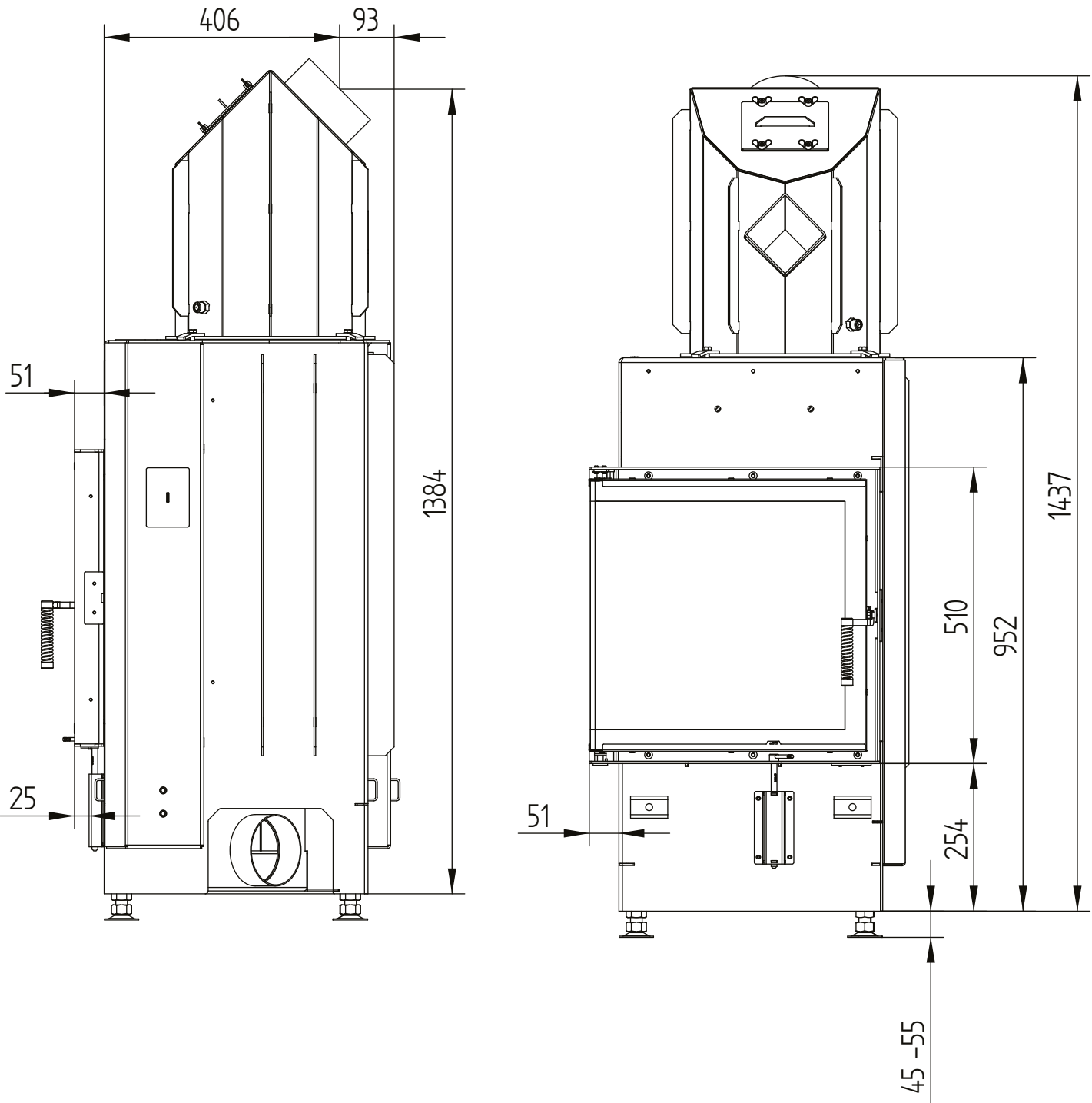
⁴ Depends on accumulation period and material characteristics. Listed values calculated with chamotte stone thickness 30 mm with radiant area 500 W/m²

ECKA 51/51/51L left

Technical data
Version 2019/08

side opening hot air exchanger 45°

M 1:10

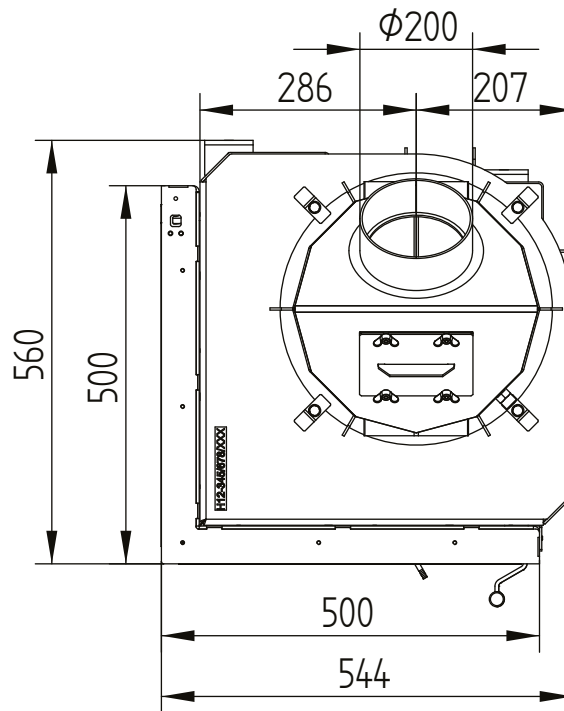


ECKA 51/51/51L left

Technical data
Version 2019/08

side opening hot air exchanger 45°

M 1:10

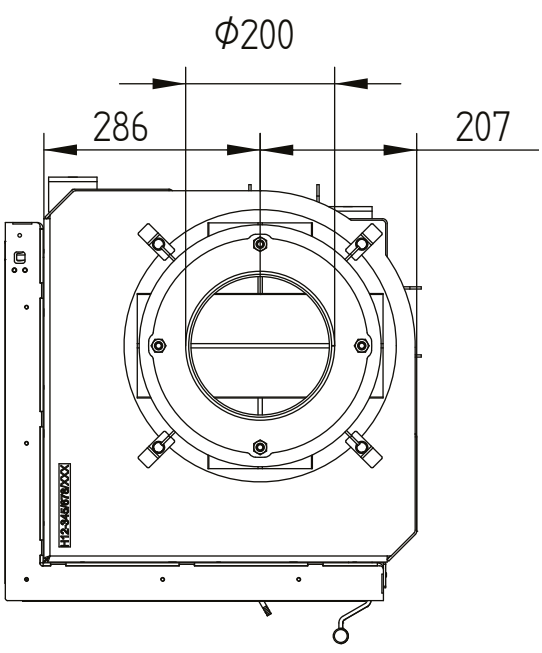
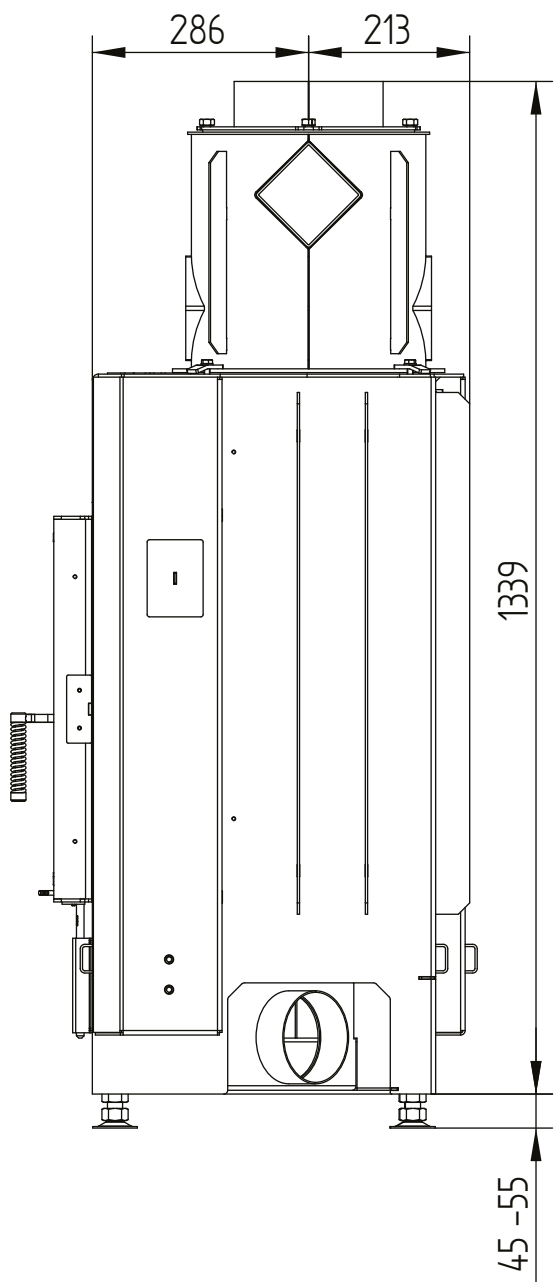


ECKA 51/51/51L left

Technical data
Version 2019/08

side opening hot air exchanger vertical

M 1:10

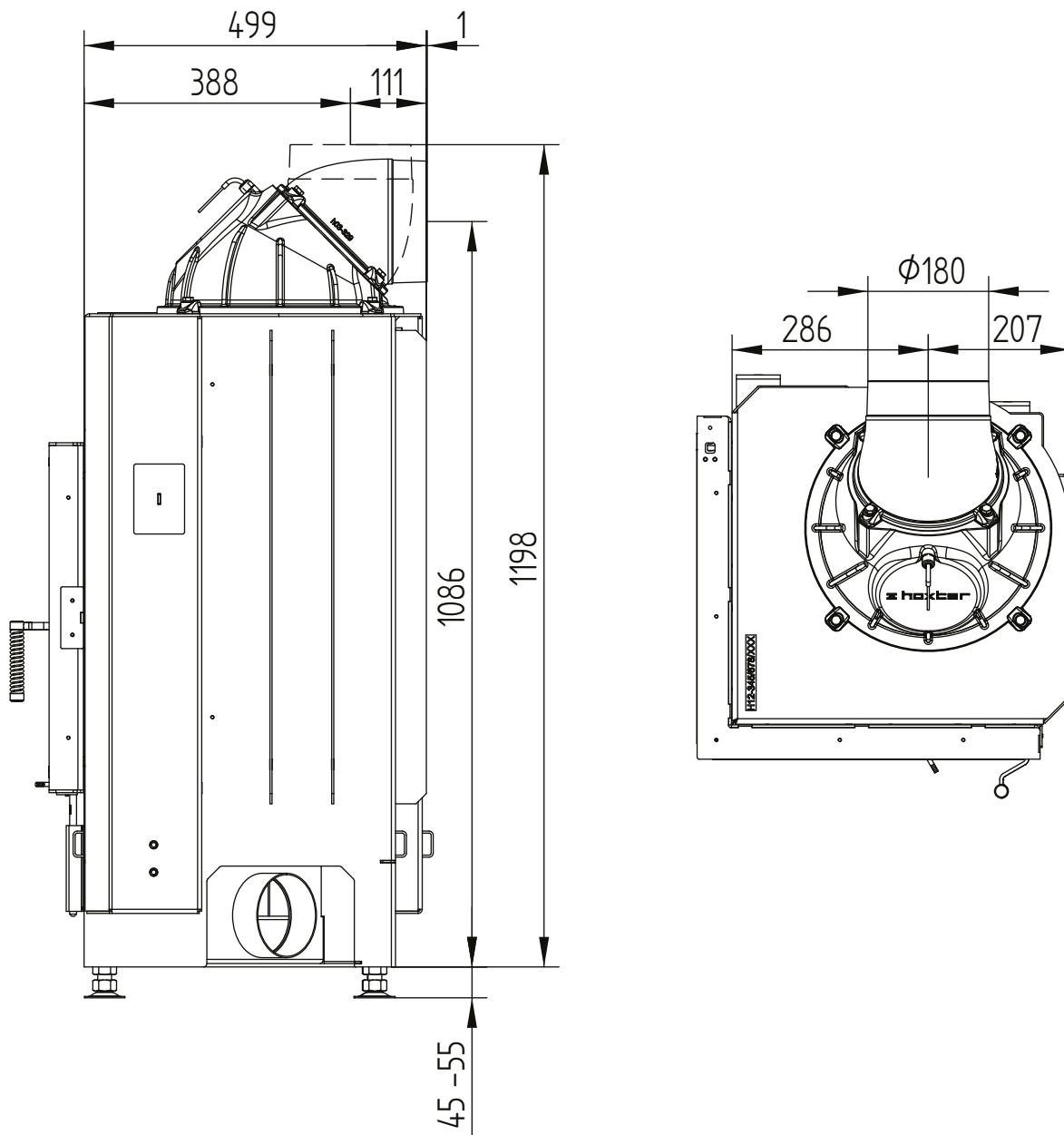


ECKA 51/51/51L left

Technical data
Version 2019/08

side opening cupola

M 1:10

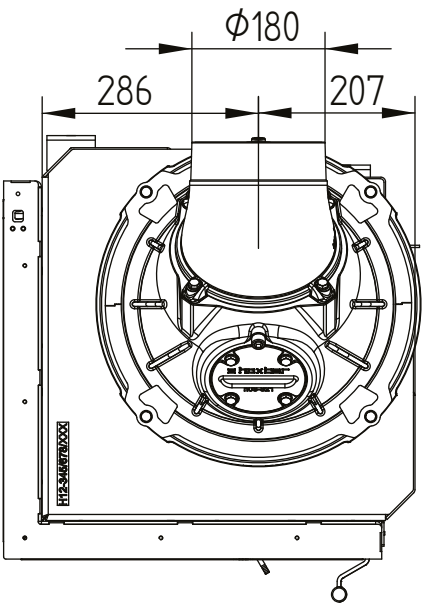
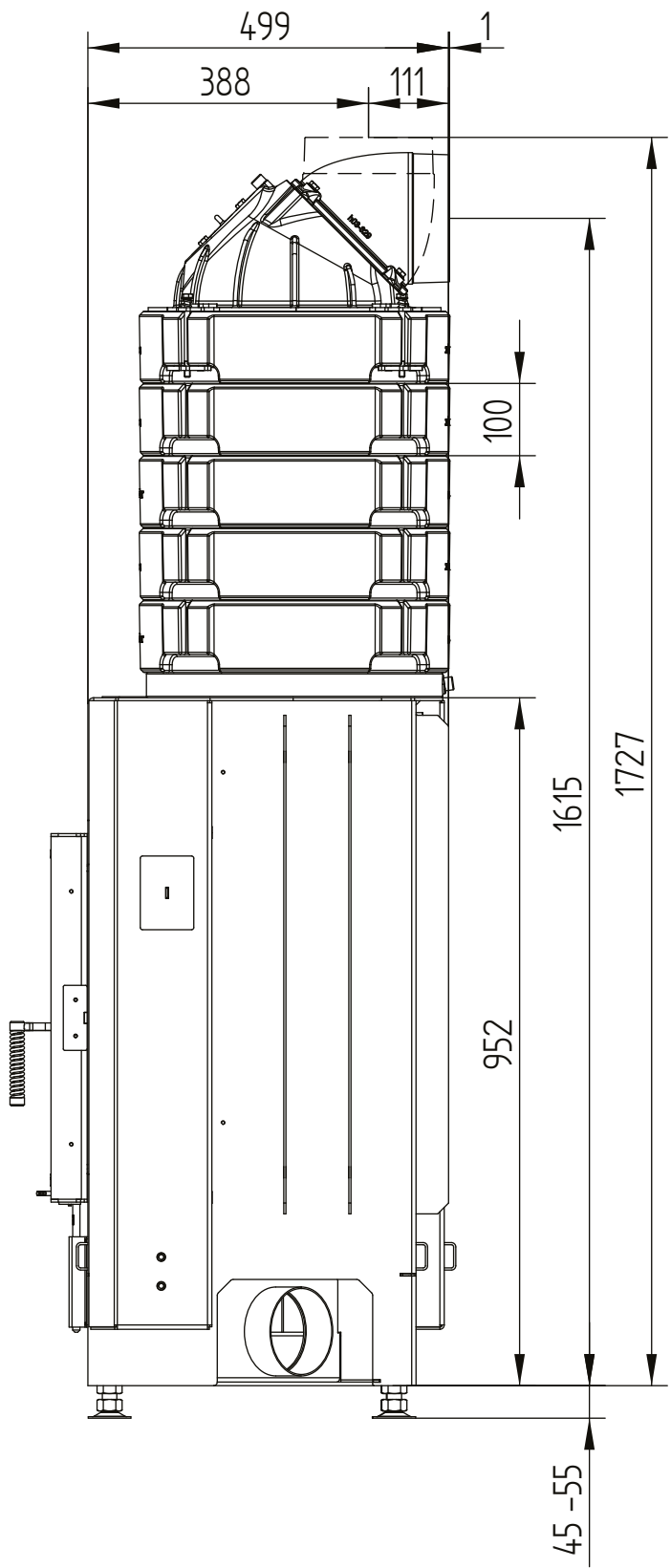


ECKA 51/51/51L left

Technical data
Version 2019/08

side opening accumulation rings

M 1:10

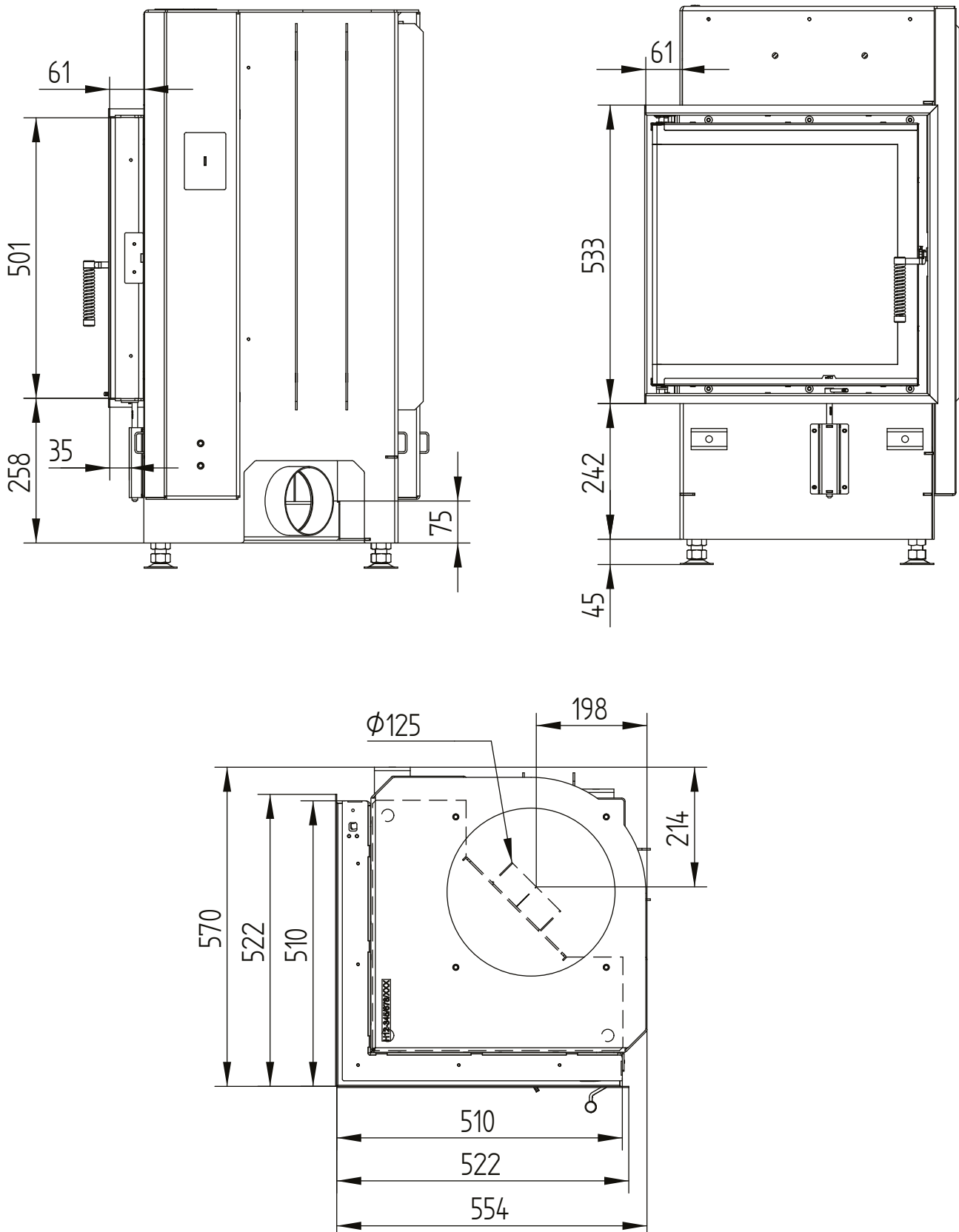


ECKA 51/51/51L left

Technical data
Version 2019/08

cover frame 51/51/51 left-right side opening 6sides 60 mm 1 x 90° / air connection

M 1:10

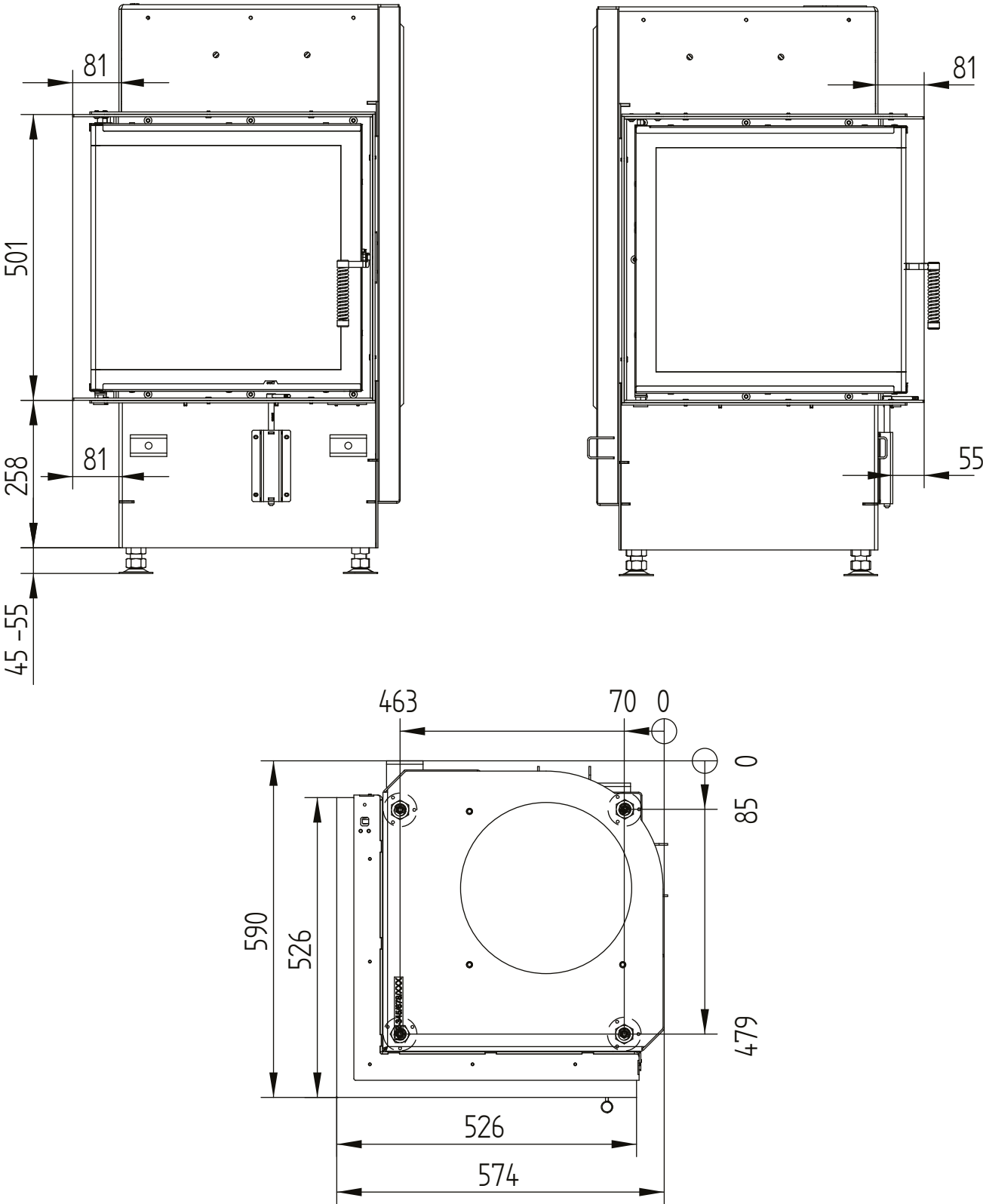


ECKA 51/51/51L left

Technical data
Version 2019/08

build-on frame 51/51/51L left side opening 6sides 80 mm / feet

M 1:10



	operation when directly connected to chimney		operation when connected accumulation mass	
	cupola	hot air exchanger	cupola	adaptor
Energy label				
Operating data				
Nominal heat power	7 kW	10 kW	----	----
Efficiency	> 80 %	> 80 %	----	----
Consumption of wood	2,2 kg/h	3 kg/h	5 kg	5 kg
Total heat output of the burning chamber	----	----	19 kW	19 kW
Mass flow of flue gas	6,4 g/s	9,6 g/s	15 g/s	15 g/s
Required chimney pressure	12 Pa	12 Pa	12 Pa	15 Pa
Required amount of combustion air	30 m³/h	35 m³/h	50 m³/h	50 m³/h
Average flue gas temperature				
on the output	254 °C	269 °C	394 °C	404 °C
past 3,6 m of ceramic accumulation system KMS 300 ¹	----	----	178 °C	----
past accumulation rings (5x acc. ring Ø440mm)	----	----	----	235 °C
Heat distribution				
fireplace insert	64–75 %	64–75 %	36 %	32 %
door glass (single / double)	36 / 25 %	36 / 25 %	36 / 25 %	36 / 25 %
adjoining accumulation mass	----	----	28–39 %	32–42 %
Information for ventilated builds				
Minimal grill area supply / outgoing	650 / 800 cm²	950 / 1150 cm²	950 / 1150 cm²	950 / 1150 cm²
Minimum distance from insulated areas / floor	80 / 0 mm		80 / 0 mm	
Reference insulation ² ceiling / back wall / side wall / floor	120 / 80 / 80 / 0 mm		120 / 80 / 80 / 0 mm	
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	90 / 60 / 60 / 0 mm		90 / 60 / 60 / 0 mm	
Information for non-ventilated builds (closed grills)				
Minimum radiant area ⁴	4 m²		4,5 m²	
Minimum distance from insulated areas / floor	80 / 20 mm		80 / 20 mm	
Reference insulation ² ceiling / back wall / side wall / floor	160 / 100 / 100 / 20 mm		160 / 100 / 100 / 20 mm	
Calciumsilicate insulation ³ ceiling / back wall / side wall / floor	120 / 75 / 75 / 20 mm		120 / 75 / 75 / 20 mm	
General technical information				
Total weight / lining weight	ca. 186 / 67 kg		ca. 186 / 67 kg	
Burning chamber dimensions (width x depth)	355 x 355 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. BImSchV (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

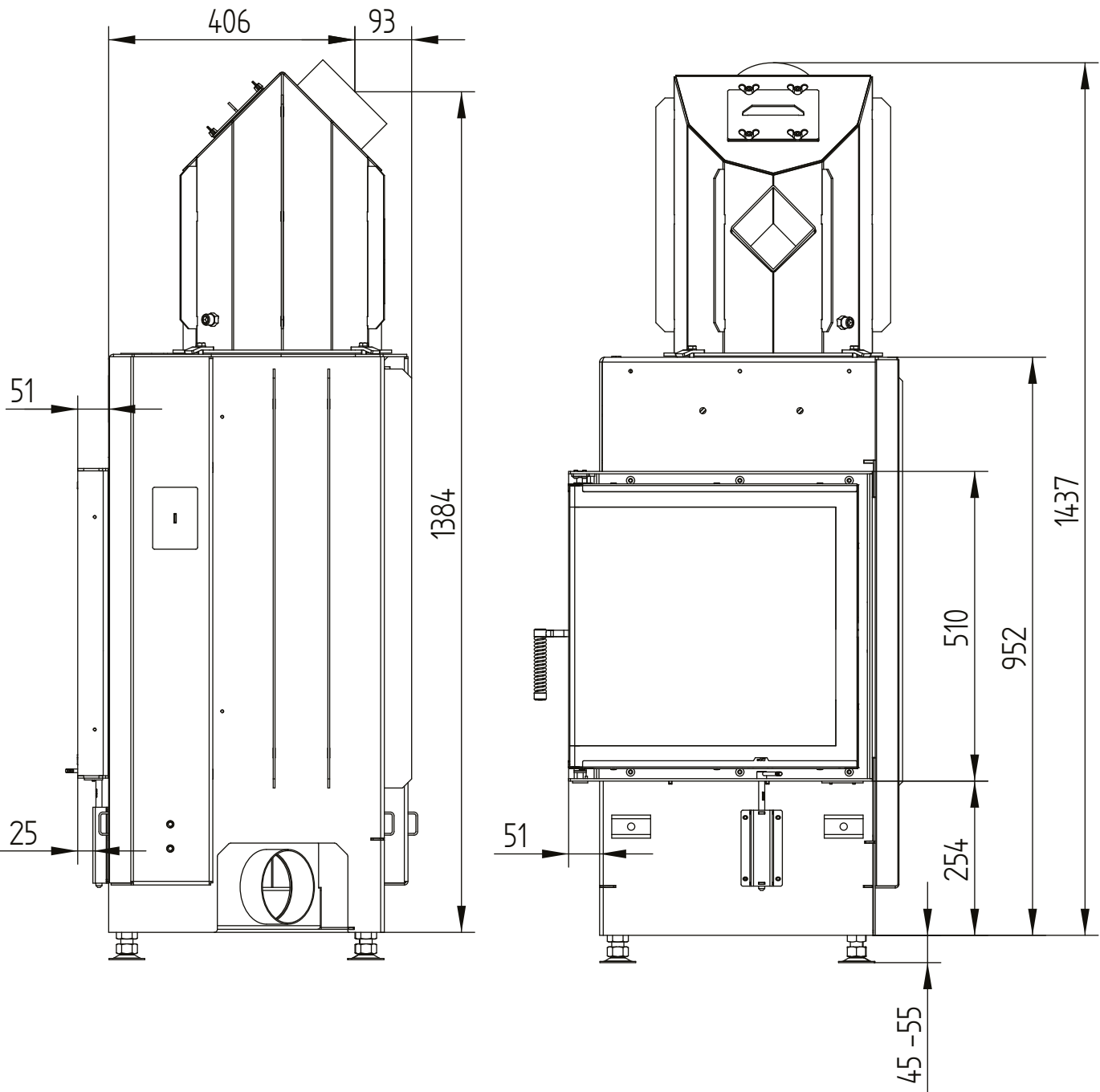
⁴ Depends on accumulation period and material characteristics. Listed values calculated with chamotte stone thickness 30 mm with radiant area 500 W/m²

ECKA 51/51/51R right

Technical data
Version 2019/08

side opening hot air exchanger 45°

M 1:10

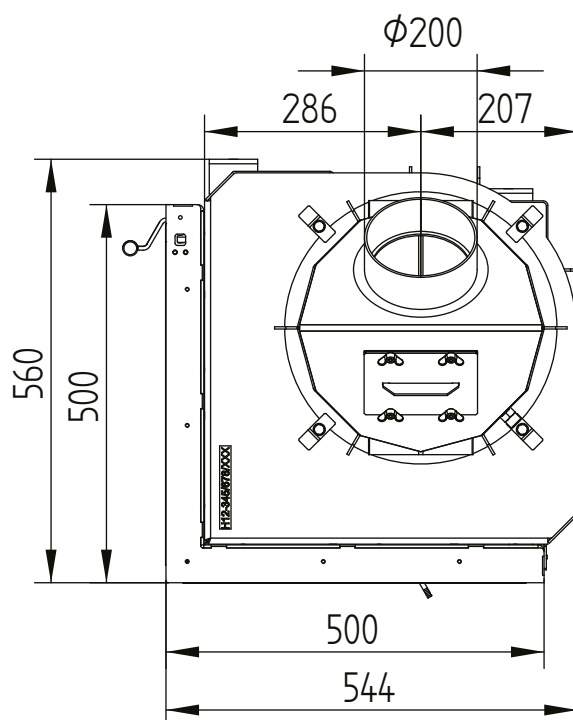


ECKA 51/51/51R right

Technical data
Version 2019/08

side opening hot air exchanger 45°

M 1:10

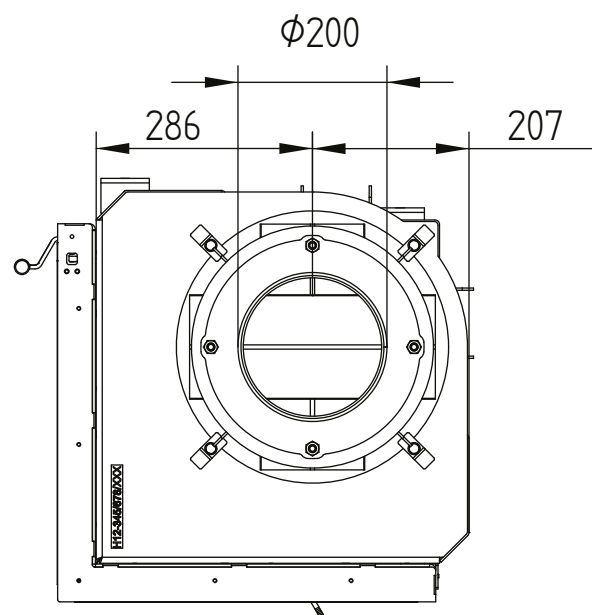
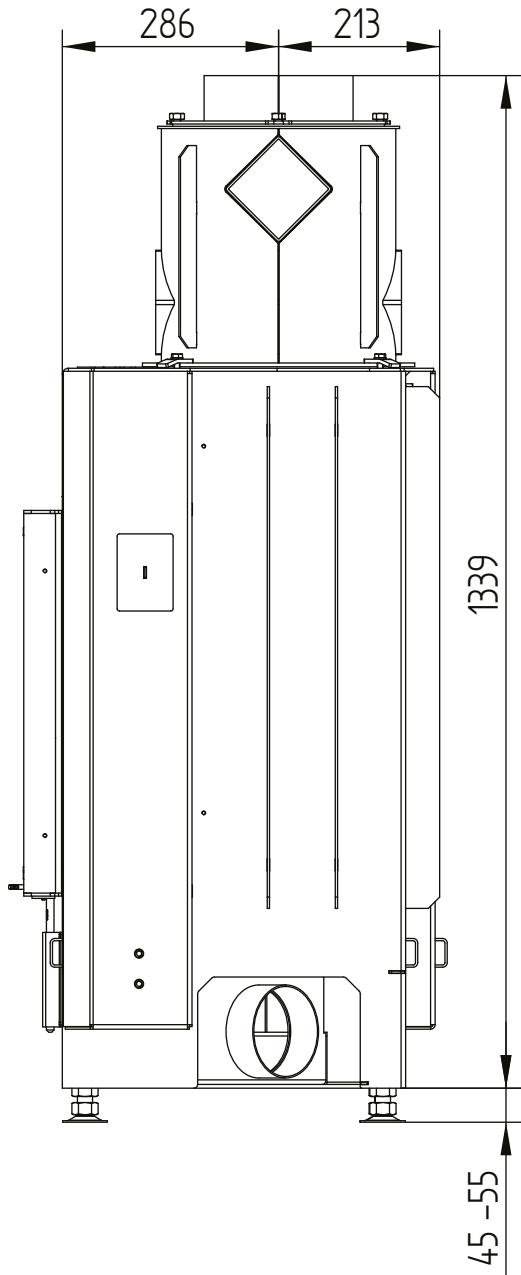


ECKA 51/51/51R right

Technical data
Version 2019/08

side opening hot air exchanger vertical

M 1:10

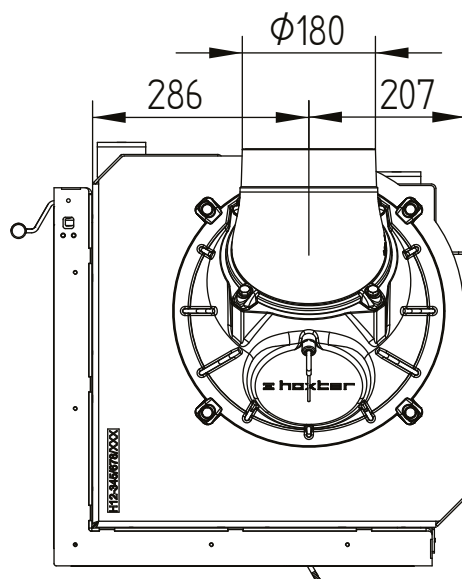
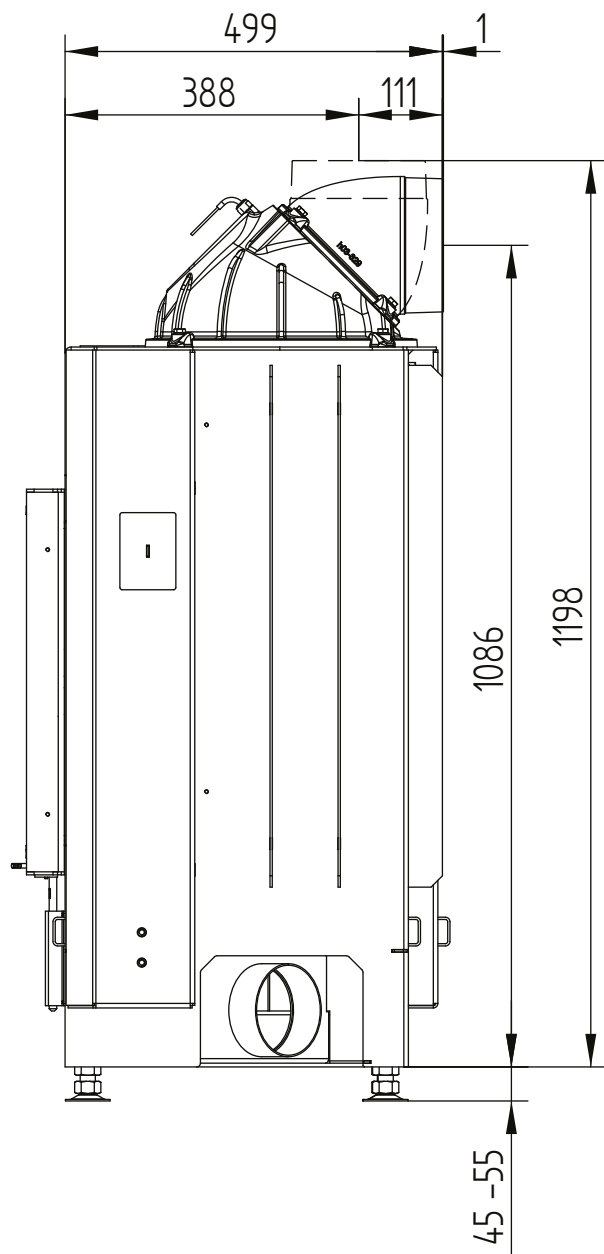


ECKA 51/51/51R right

Technical data
Version 2019/08

side opening cupola

M 1:10

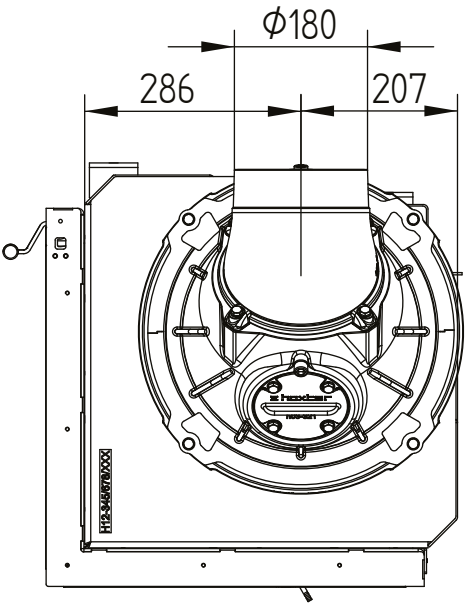
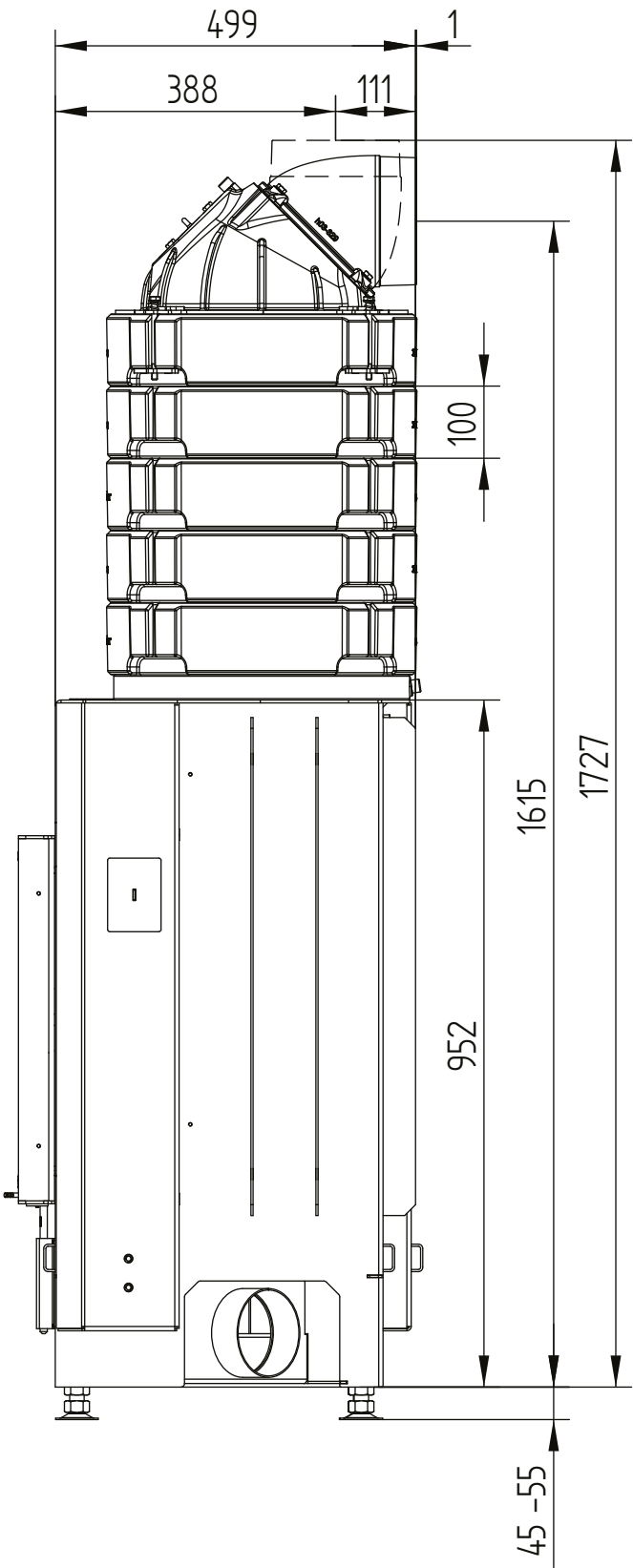


ECKA 51/51/51R right

Technical data
Version 2019/08

side opening accumulation rings

M 1:10

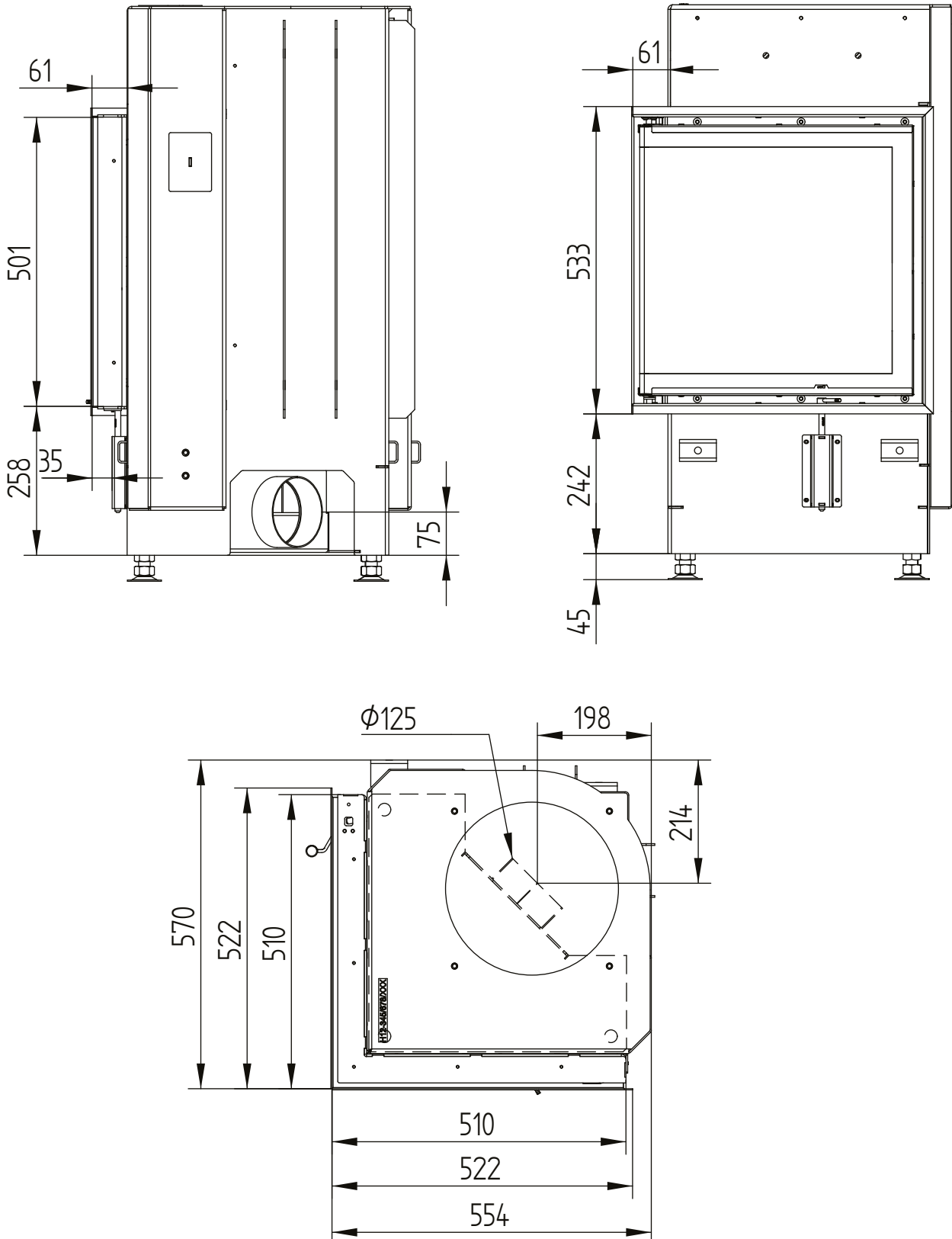


ECKA 51/51/51R right

Technical data
Version 2019/08

cover frame 51/51/51 left-right side opening 6sides 60 mm 1 x 90° / air connection

M 1:10



ECKA 51/51/51R right

Technical data
Version 2019/08

build-on frame 51/51/51R right side opening 6sides 80 mm / feet

M 1:10

