

Technical data

Technical data	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	11 kW	----	----
Efficiency	> 80 %	> 80 %	----	----
Consumption of wood	2,1 kg/h	3,2 kg/h	5,7 kg	5,1 kg
Total heat output of the burning chamber	----	----	23 kW	20 kW
Average heat output / heat accumulation time ⁵	----	----	2,3 kW / 8 h	2,0 kW / 8 h
Mass flow of flue gas	7,3 g/s	7,3 g/s	14,2 g/s	13,3 g/s
Required chimney pressure	12 Pa	12 Pa	12 Pa	15 Pa
Required amount of combustion air	20 m³/h	30 m³/h	50 m³/h	45 m³/h
Average flue gas temperature				
on the output	230 °C	230 °C	450 °C	370 °C
behind 3,4 m of ceramic accumulation system KMS 300 ¹	----	----	245 °C	----
behind accumulation rings (5x acc. ring Ø440mm)	----	----	----	196 °C
Heat distribution				
fireplace insert	62–74 %	62–74 %	37 %	33 %
door glass (single / double)	38 / 26 %	38 / 26 %	38 / 26 %	38 / 26 %
additional accumulation mass	----	----	25–37 %	29–41 %
Information for ventilated builds				
Minimal grill area supply / outgoing	700 cm²	950 cm²	950 cm²	950 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	suitable		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	circa 213 / 70 kg		circa 213 / 70 kg	
Burning chamber dimensions (width x depth)	540 x 305 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	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

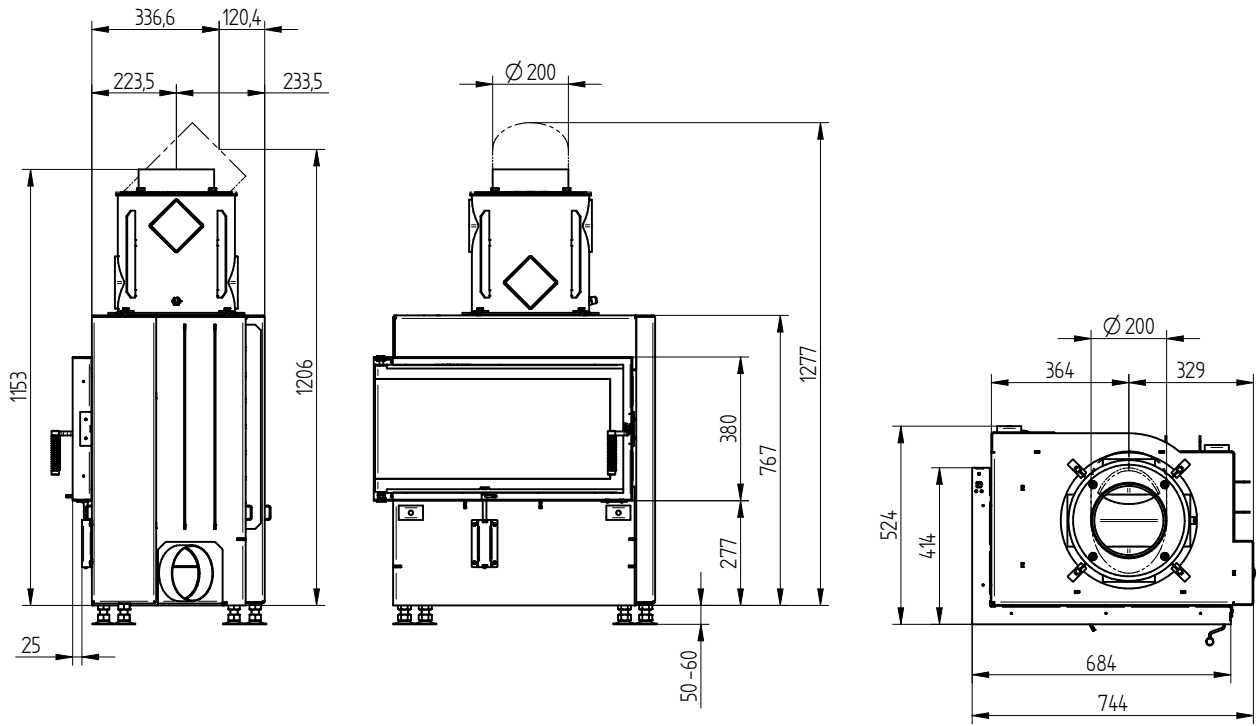
⁴ Depends on accumulation period and material characteristics. Listed values calculated with average specific heat output = approx. 500 W/m²

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

ECKA 70/40/38L

Technical data
Date 06/2026

ECKA 70/40/38L left side opening hot air exchanger vertical / smoke outlet 45°



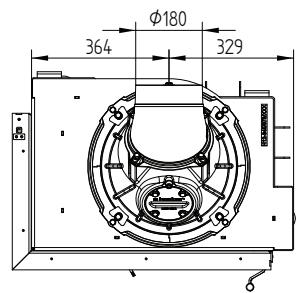
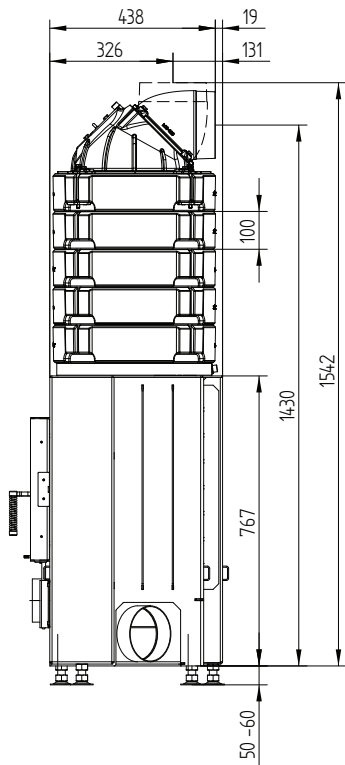
ECKA 70/40/38L left side opening cupola



ECKA 70/40/38L

Technical data
Date 06/2026

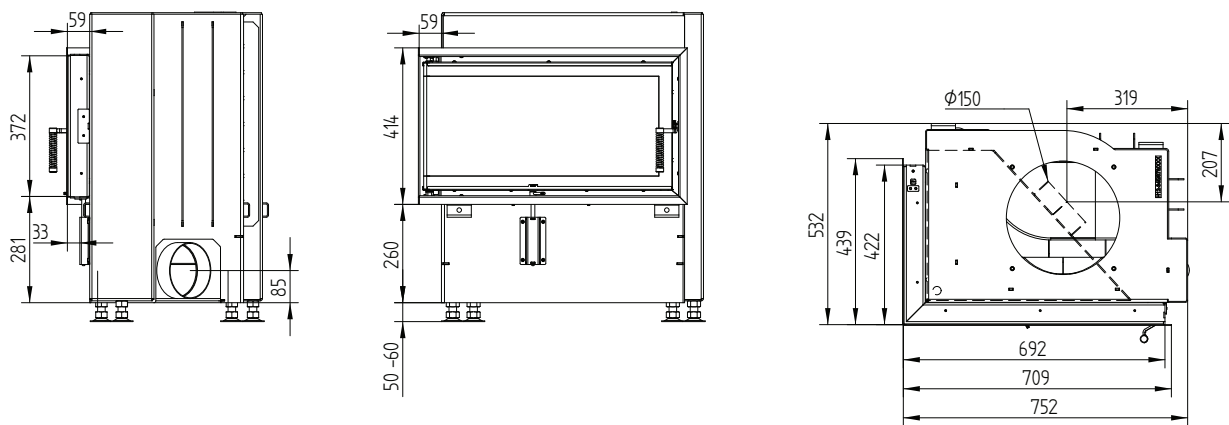
ECKA 70/40/38L left side opening accumulation set



ECKA 70/40/38L

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Cover frame 70/40/38 left-right side opening 6sides 60 mm 1 x 90° / air inlet



Build-on frame 70/40/38 left side opening 6sides 80 mm / feet

