

Technical data

operation when directly connected to chimney	
Energy label	A+
Operating data	
Nominal heat power / Power absorbed to water	8 / 5 kW
Efficiency	> 80 %
Consumption of wood	2,5 kg/h
Mass flow of flue gas	9 g/s
Required chimney pressure	12 Pa
Required amount of combustion air	25 m³/h
Average flue gas temperature	
on the output	222 °C
Heat distribution	
fireplace insert	9 %
door glass (single / double)	36 / 25 %
water	52–63 %
Water exchanger specifications	
Maximum working pressure	2,5 bar
Minimum return water temperature	60 °C
Water capacity	26 liters
Connection input / output	1" / 1"
Information for builds	
Minimal grill area supply / outgoing (with vent. grill)	200 cm²
Minimum radiant area ³ (without vent. grill)	suitable
Minimum distance from insulated areas / floor	40 / 0 mm
Reference insulation ¹ ceiling / back wall / side wall / floor	80 / 60 / 60 / 0 mm
Calciumsilicate insulation ² ceiling / back wall / side wall / floor	60 / 45 / 45 / 0 mm
General technical information	
Total weight / lining weight	circa 185 / 45 kg
Burning chamber dimensions (width x depth)	355 x 205 mm
Combustion air connection	Ø 125 mm
Use in non-ventilated accumulation builds according to craft rules	suitable ⁴
Tested according to	EN 16510-1 ed. 2:2023, EN 16510-2-2:2022
Meets values	1. BImSchV (Stufe2), 15a BVG

¹ Mineral wool according to AGI-Q 132

² Example SkamoEnclosure Board 225 kg/m³

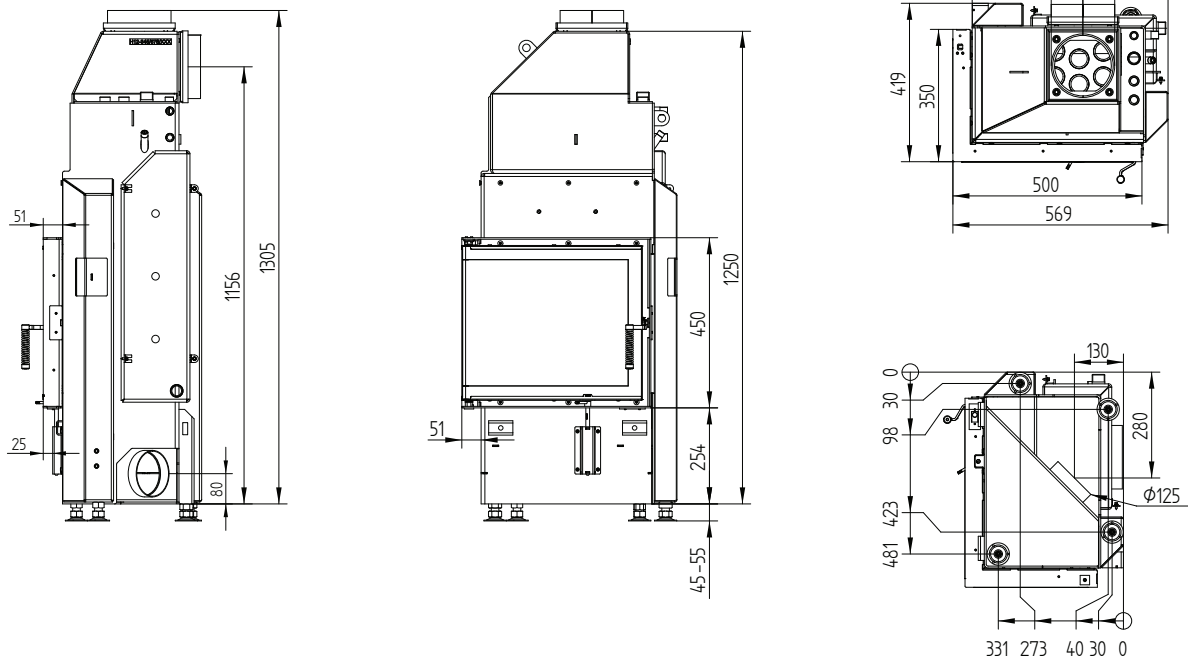
³ Depends on accumulation period and material characteristics. Listed values calculated with average specific heat output = approx. 500 W/m²

⁴ With regard to the inspection capability and maximum ambient temperatures of the external switching devices (e.g. TAS/SV)

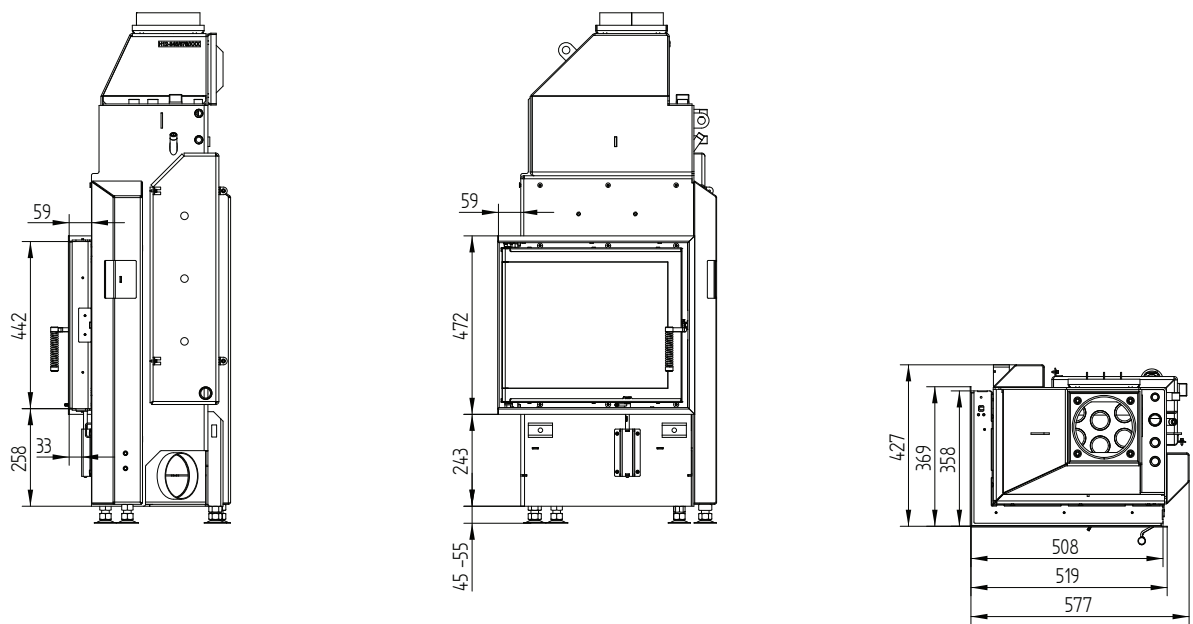
ECKA 50/35/45WL

Technical data
Date 06/2026

ECKA 50/35/45WL left side opening / air inlet / feet



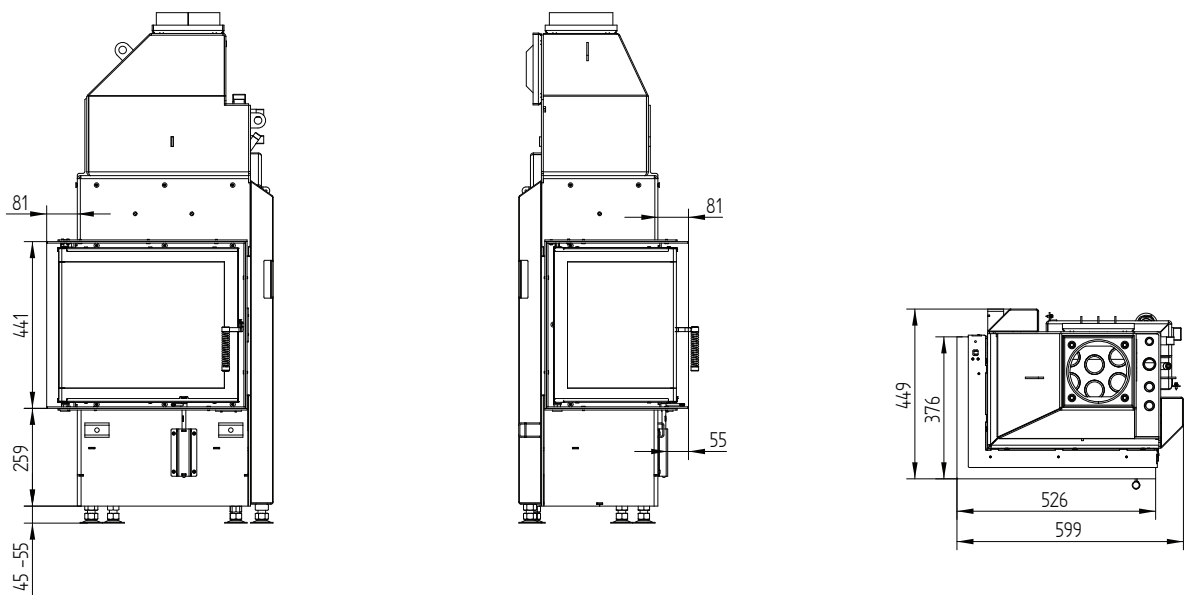
Cover frame 50/35/45L left side opening 6sides 1 x 90° 60 mm



ECKA 50/35/45WL

Technical data
Date 06/2026

Build-on frame 50/35/45L left side opening 6sides 80 mm



Nr.	Thread size	Description
1	G 1" (AG)	Water supply from heating system - min. 60 °C
2	G 1" (AG)	Hot water supply to heating system
3	G 1/2" (AG)	Water supply from the waterlines into the cooling loop
4	G 1/2" (AG)	Discharge of water from the cooling loop into the waste
5	G 3/8" (IG)	Pocket for air vent valve
6	G 1/2" (IG)	Pocket for thermal sensors

