BLOX H83

Technical data

	Certified values fireplace insert	Measured values for accumulation operation	Measured values for convection operation
Energy label of the fireplace insert	A+ HAKA 60/50S		
Operating data			
Nominal heat power	6 kW	----	8 kW
Efficiency	> 80 %	> 80 %	> 80 %
Consumption of wood	2 kg/h	7 kg (3,5 + 3,5 kg)	2,5 kg/h
Total heat output of the burning chamber[1]	----	28 kW	----
Average heat output[2]	----	3,1 kW	----
Heat radiation period[3]	----	9 hours	----
Mass flow of flue gas	6,9 g/s	12 g/s	8 g/s
Required chimney pressure	12 Pa	12 Pa	12 Pa
Required amount of combustion air	20 m^3/h	35 m^3/h	25 m^3/h
Average flue gas temperature on the output	234 °C	236 °C	247 °C
Heat distribution			
Surroundings and convection	70 / 80 %	70 / 80 %	70 / 80 %
door glass (single, double)	30 / 20 %	30 / 20 %	30 / 20 %
General technical information			
Tested according to	EN 13229	----	----
Meets values	1. BImSchV (Stufe2), 15a BVG	----	----
Total weight	----	570 kg	521 kg
Overall dimensions (width x depth x height)	----	830 x 550 x 1836 mm	
Burning chamber dimensions (width x depth)	----	520 x 210 mm	
Combustion air connection	----	from the back / bottom Ø 125 mm	
Flue connection diameter	----	from the back / top Ø 180 mm	
Minimal distances			
from walls made of non-combustible materials			
rear / side	----	20 / 50 mm	
rear / side with outer thermal shielding	----	0 / 0 mm	
to the ceiling	----	400 mm	
to the floor	----	0 mm	
from walls made of combustible materials			
rear / side	----	80 / 250 mm	
rear / side with outer thermal shielding	----	20 / 50 mm	
to the ceiling	----	600 mm	
to the floor	----	0 mm	
Technical data of the surrounding material			
Thermal resistance	----	up to 150 °C	
Thermal conductivity (100 °C)	----	1,374 W/mK	
Specific heat (100 °C)	----	0,247 Cal/g°C	
Volume heat capacity	----	1486 kJ/m^3K	
Density	----	1490 - 1610 g/dm^3	
Bending strength	----	3,5 - 4,2 MPa	
Compression strength	----	11,0 - 14,0 MPa	
Shrinkage	----	0,088 %	

1 With maximum amount of wood of 4 kWh/kg, without taking efficiency losses into account.

2 Accumulation operation, specified fuel dose for accumulation period with system efficiency > 80 %.

3 The time from ignition to reaching 25% of the maximum average surface temperature compared to room temperature.

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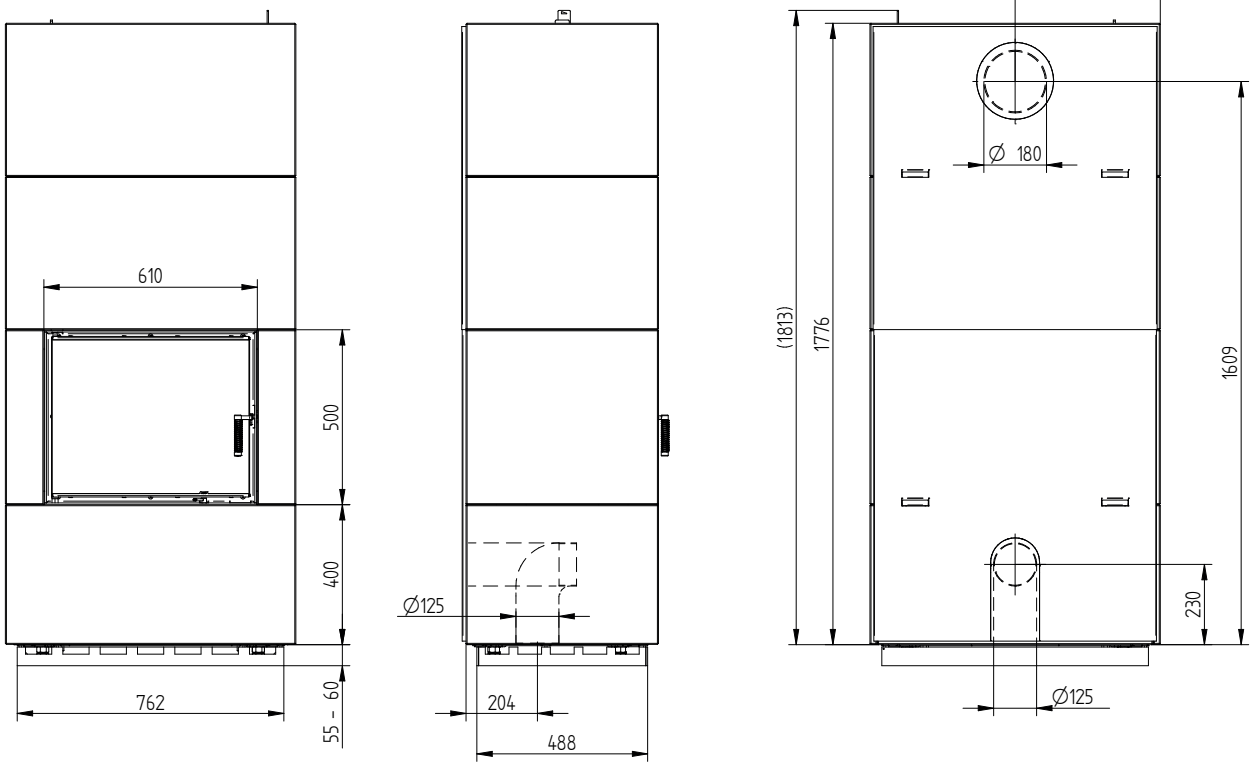

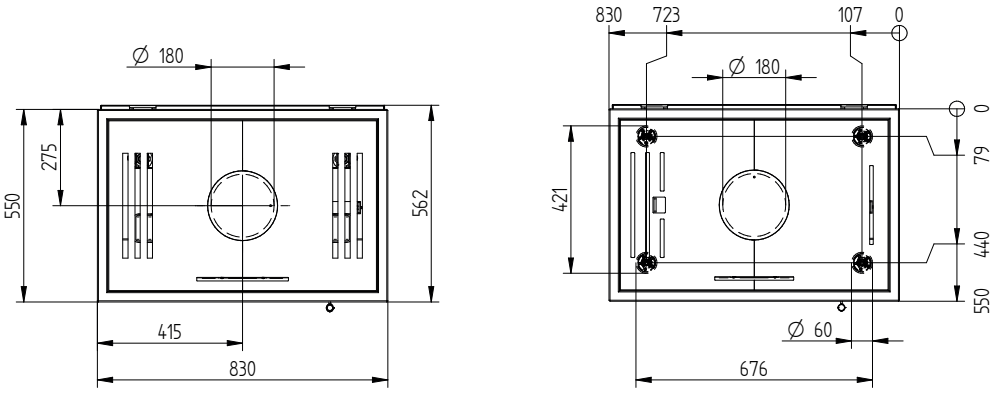

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