


BLOX 50

Technical data

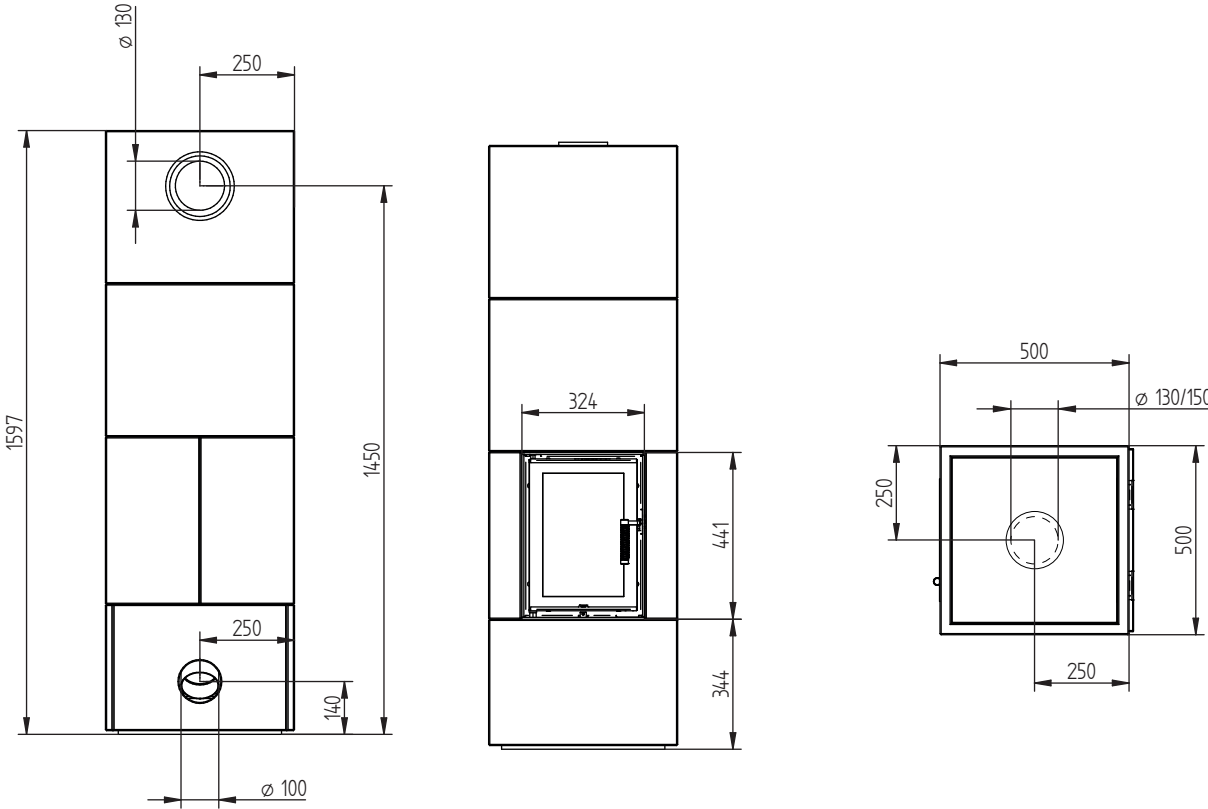
	Certified values	Measured values for accumulation operation
Energy label		
Operating data		
Nominal heat power	12 kW	----
Efficiency	> 80 %	> 80 %
Consumption of wood	3,3 kg/h	6 kg (3 + 3kg)
Total heat output of the burning chamber	----	24 kW
Average heat output ²	----	1,6 kW
Heat radiation period ³	----	12 hours
Mass flow of flue gas	11 g/s	11 g/s
Required chimney pressure	12 Pa	12 Pa
Required amount of combustion air	30 m ³ /h	30 m ³ /h
Average flue gas temperature on the output	240 °C	240 °C
Heat distribution		
Accumulation stove surroundings	75–85 %	75 - 85 %
door glass (single, double)	25 / 15 %	25 / 15 %
Minimal distances		
from walls made of non-combustible materials		
rear / side	20 / 100 mm	
rear / side with outer thermal shielding	0 / 100 mm	
to the ceiling	400 mm	
to the floor	0 mm	
from walls made of combustible materials		
rear / side	100 / 250 mm	
rear / side with outer thermal shielding	20 / 250 mm	
to the ceiling	600 mm	
to the floor	0 mm	
General technical information		
Total weight	425 kg	
Overall dimensions (width x depth x height)	500 x 500 x 1597 mm	
Burning chamber dimensions (width x depth)	250 x 210 mm	
Combustion air connection	from bottom / back Ø 100 mm	
Flue connection diameter	from the back / top Ø 130 mm (optionally to the top Ø 150 mm)	
Tested according to	EN 13240	
Meets values	1. BImSchV (Stufe2), 15a BVG	
Technical data of the accumulation 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 ³ K	
Thermal power	8,97 W	
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

BLOX 50



Concrete enclosure surface

BLOX accumulation stoves are supplied with raw concrete cladding, which is intended for further processing. Raw concrete can show signs of irregular coloring, texture, or stains. These irregularities arise during production and work with raw material and cannot be influenced in any way. Following pictures are showing some possible deviations, which can occur:



If it is desired to achieve a uniform concrete appearance of the stove, it is necessary to paint the stove to give the surface a compact and complete appearance. For these purposes, we recommend HOXTER concrete paint.

The result before/after using HOXTER concrete paint:



Before



After