


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	0 / 50 mm	
to the ceiling	400 mm	
to the floor	0 mm	
from walls made of combustible materials		
rear / side	80 / 170 mm	
to the ceiling	600 mm	
to the floor	0 mm	
General technical information		
Total weight	415 kg	
Overall dimensions (width x depth x height)	550 x 550 x 1647 mm	
Burning chamber dimensions (width x depth)	250 x 210 mm	
Combustion air connection	from bottom / back Ø 100 mm	
Flue connection diameter	Ø 130 mm (optionally Ø 150 mm) from the back / top	
Tested according to	EN 13240	
Meets values	1. BlmSchV (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	
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 R55

