



Product technical sheet (en)

Fireplace Stoves

POLAR 4654-8-III



Technical parameters

Power output

Rated output (kW)	8
Controlled power (kW)	4 - 10

Dimensions

Height (1) x Width (2) x Depth (3) (mm)	1235 x 650 x 513
Maximum log length (mm)	400

Weights depending on lining

Stone (kg)	190
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Air

Central air supply (7) / diameter (mm)	yes / Ø 100
Secondary air supply / Secondary air control	yes / yes
Primary air control	yes
Tertiary air supply	yes
Air supply automatic control	no
Central air supply axis height (8) (mm)	264

Parameters

Fuel: wood / wooden briquettes / brown coal briquettes [W / WB / BCB]	
Consumption of acceptable fuel at nominal capacity (kg/hour) [W / WB / BCB]	2,6 / 2,6 / 2
Heated volume (m ³)	80 - 200
Energy power efficiency (%) [W / WB / BCB]	81 / 81 / 82
Minimum chimney draft (Pa)	12
Flue gases temperature (°C) [W / WB / BCB]	240 / 240 / 256
Weight flow of flue gases (g/s) [W / WB / BCB]	8 / 8 / 6,6
CO concentration at 13% O ₂ (mg/Nm ³) [W / WB / BCB]	989 / 989 / 872
NOx concentration at 13% O ₂ (mg/Nm ³) [W / WB / BCB]	105 / 105 / 154
OGC concentration at 13% O ₂ (mg/Nm ³) [W / WB / BCB]	69 / 69 / 56
Dust concentration at 13% O ₂ (mg/Nm ³) [W / WB / BCB]	35 / 35 / 33
Continuous operation for 24 hours	yes
Multiple loading door closing	yes

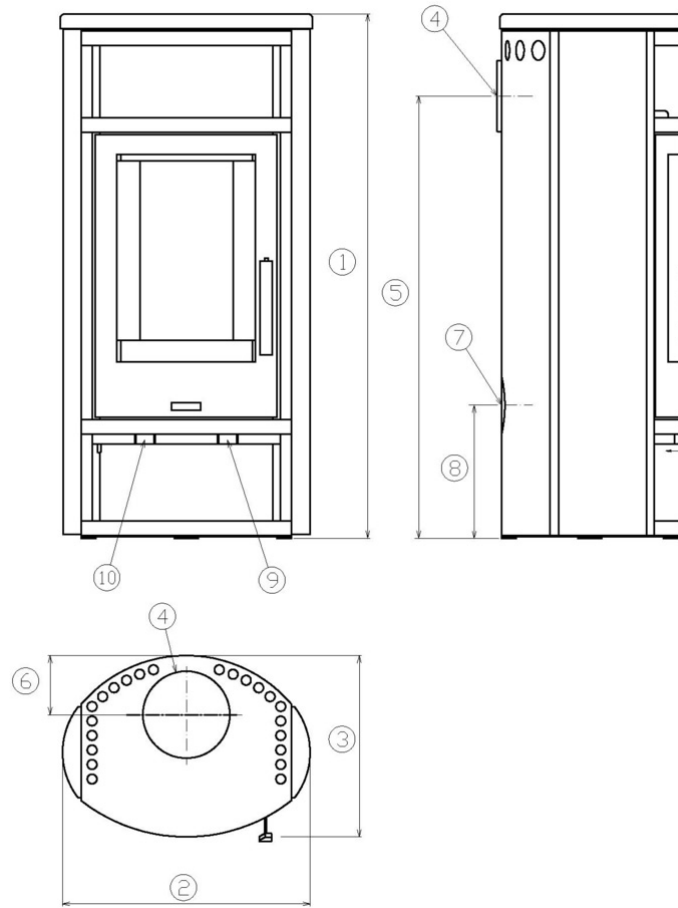
Smoke duct

Smoke duct connection (4)	top/rear
Smoke duct diameter (mm)	Ø 150
Rear smoke duct axis height (5) (mm)	1038
Distance of upper smoke duct axis (6) (mm)	172

Tests

EN 13240:2001/A2:2004/AC:2007	yes
BvG §15a	yes
I. BImSchV Stufe 2	yes

Dimensional sketch



Additional information

1	height	1235 mm
2	width	650 mm
3	depth	513 mm
4	smoke duct	Ø 150 mm
5	rear smoke duct axis height	1038 mm
6	distance of upper smoke duct axis	172 mm
7	central air supply	Ø 100 mm
8	central air supply axis height	264 mm
9	primary air supply control - rear open	
10	secondary air supply control - rear open	

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