



Product technical sheet (en)

Fireplace Stoves

POLAR 4654-6-II



Technical parameters

Power output

Rated output (kW)	6,5
Controlled power (kW)	3,5 - 8,5

Dimensions

Height (1) x Width (2) x Depth (3) (mm)	1138 x 598 x 472
Maximum log length (mm)	350

Weights depending on lining

Stone (kg)	180
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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)	275

Parameters

Fuel: wood / wooden briquettes / brown coal briquettes [W / WB / BCB]	
Consumption of acceptable fuel at nominal capacity (kg/hour) [W / WB / BCB]	2 / 2 / 1,7
Heated volume (m ³)	70 - 170
Energy power efficiency (%) [W / WB / BCB]	82 / 82 / 83
Minimum chimney draft (Pa)	12
Flue gases temperature (°C) [W / WB / BCB]	212 / 212 / 222
Weight flow of flue gases (g/s) [W / WB / BCB]	7,2 / 7,1 / 6,2
CO concentration at 13% O ₂ (mg/Nm ³) [W / WB / BCB]	1060 / 860 / 482
NOx concentration at 13% O ₂ (mg/Nm ³) [W / WB / BCB]	123 / 76 / 156
OGC concentration at 13% O ₂ (mg/Nm ³) [W / WB / BCB]	66 / 65 / 31
Dust concentration at 13% O ₂ (mg/Nm ³) [W / WB / BCB]	39 / 39 / 40
Continuous operation for 24 hours	yes
Multiple loading door closing	yes

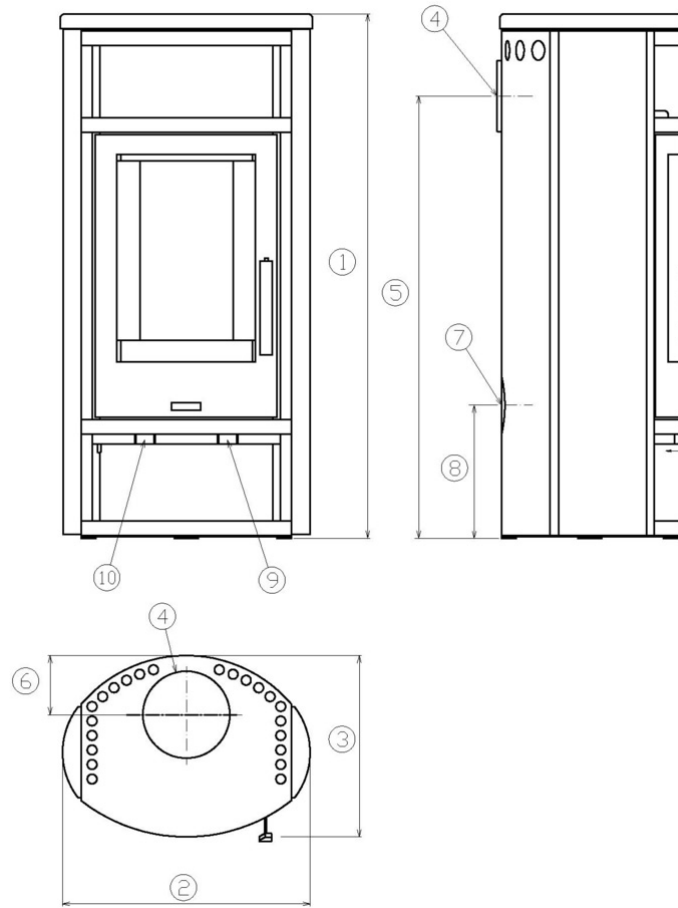
Smoke duct

Smoke duct connection (4)	top/rear
Smoke duct diameter (mm)	Ø 150
Rear smoke duct axis height (5) (mm)	945
Distance of upper smoke duct axis (6) (mm)	160

Tests

EN 13240:2001/A2:2004/AC:2007	yes
DIN+	yes
BvG §15a	yes
I. BImSchV Stufe 1	yes
I. BImSchV Stufe 2	yes

Dimensional sketch



Additional information

1	height	1138 mm
2	width	598 mm
3	depth	472 mm
4	smoke duct	Ø 150 mm
5	rear smoke duct axis height	945 mm
6	distance of upper smoke duct axis	160 mm
7	central air supply	Ø 100 mm
8	central air supply axis height	275 mm
9	primary air supply control - rear open	
10	secondary air supply control - rear open	

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