



## Product technical sheet (en)

Fireplace Stoves TYP: 208

### **ARCTIC 5**



# Technical parameters

208GAA

## Power output

Controllable output range (kW)	2,5 - 7
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## Dimensions

Height (1) x Width (2) x Depth (3) (mm)	985 x 523 x 384
Maximum log length (mm)	280

## Weights depending on lining

Stone (kg)	110
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## Air

Central air supply (7) / diameter (mm) / Air inlet connector included	yes / Ø 100 / no
Secondary air control	yes
Primary air control	yes
Tertiary air supply	yes
Air supply automatic control	no
Height of axis of central air inlet from the floor (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]	1,7 / 1,7 / 1,4
Heated volume (m <sup>3</sup> )	50 - 140
Energy power efficiency (%) [W / WB / BCB]	80,8 / 80,8 / 81,3
Minimum chimney draft (Pa)	12
Flue gases temperature (°C) [W / WB / BCB]	216 / 216 / 219
Weight flow of flue gases (g/s) [W / WB / BCB]	5,8 / 5,8 / 6,5
CO concentration at 13% O <sub>2</sub> (mg/Nm <sup>3</sup> ) [W / WB / BCB]	1250 / 1250 / 771
NO <sub>x</sub> concentration at 13% O <sub>2</sub> (mg/Nm <sup>3</sup> ) [W / WB / BCB]	117 / 117 / 143
OGC concentration at 13% O <sub>2</sub> (mg/Nm <sup>3</sup> ) [W / WB / BCB]	48 / 48 / 13
Dust concentration at 13% O <sub>2</sub> (mg/Nm <sup>3</sup> ) [W / WB / BCB]	20 / 20 / 26
Multiple loading door closing	yes

## Smoke duct

Smoke duct connection (4)	top/rear
Smoke duct diameter (mm)	Ø 150
Height of axis of rear chimney flue from the floor (5) (mm)	815
Distance of axis of upper chimney flue to the rearmost product part (6) (mm)	125

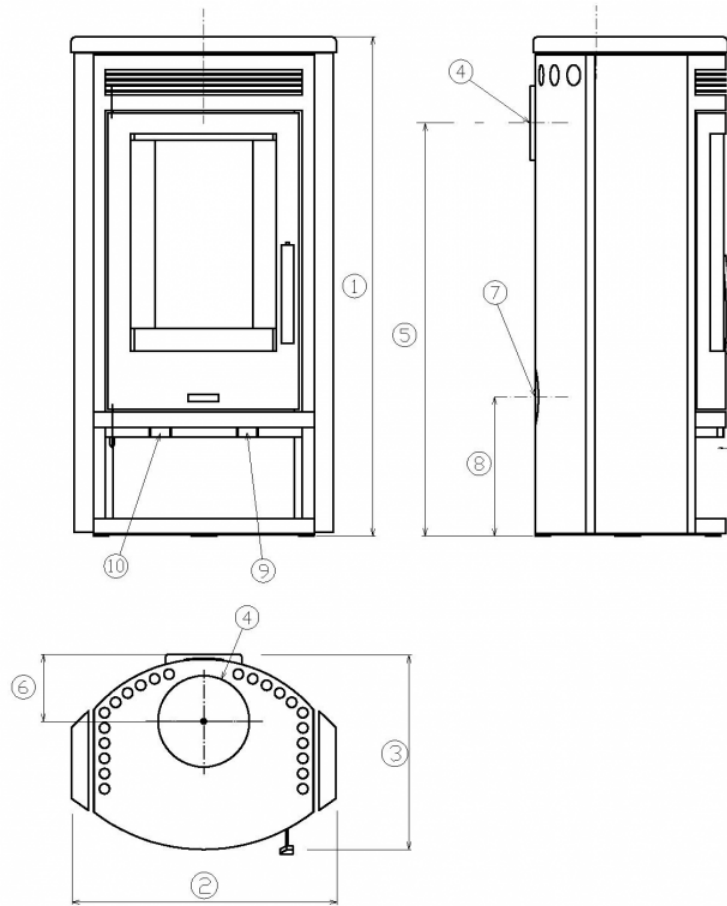
## Tests

EN 13240:2001/A2:2004/AC:2007-8	yes
DIN+	yes
BvG §15a	yes
I. BImSchV Stufe 1	yes
I. BImSchV Stufe 2	yes
EKODESIGN / Seasonal energy efficiency of heating (%) [W / WB / BCB]	yes / 71,8 / 71,8 / 72,3

## Distance from flammable materials

From the side / From behind / From the front (mm)	200 / 200 / 800
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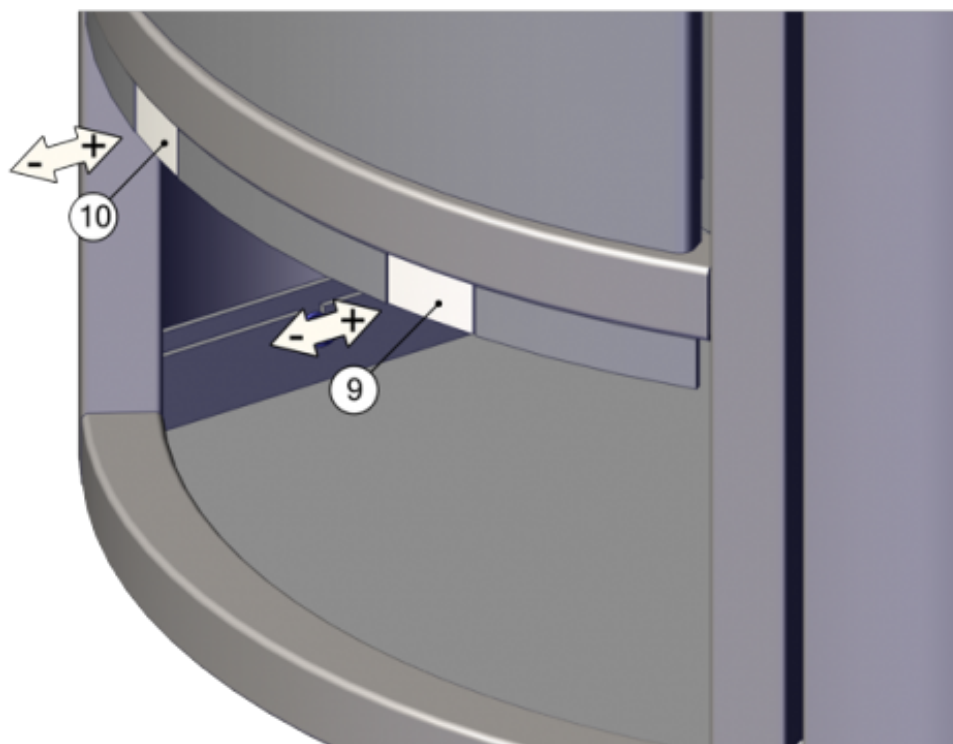
## Dimensional sketch



## Additional information

1	height	985 mm
2	width	523 mm
3	depth	384 mm
4	smoke duct	Ø 150 mm
5	height of axis of rear chimney flue from the floor	815 mm
6	distance of axis of upper chimney flue to the rearmost product part	125 mm
7	central air supply	Ø 100 mm
8	height of axis of central air inlet from the floor	275 mm
9	primary air supply control - retracted open	
10	secondary air supply control - retracted open	

# Air control



## Heating by wood and wooden briquettes

Only control the power with the secondary air regulator (position 10). The manufacturer recommends to close completely or partially the primary air intake (position 9) after burning the stove.

## Heating with lignite briquettes

**Note: Heating with lignite briquettes requires an increase in primary air supply. The degree of increasing must be verified according to the specific blast proportions of the stove and chimney.**

Only adjust the power using the primary air regulator (position 9). The manufacturer recommends to close completely or partially the secondary air intake (position 10) after burning the stove.

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