



## Product technical sheet (en)

Fireplace Stoves TYP: 004

### **ARDEN**



# Technical parameters

004AOA

## Power output

Rated output (kW)	5
Controlled power (kW)	2,5 - 7

## Dimensions

Height (1) x Width (2) x Depth (3) (mm)	990 x 486 x 414
Maximum log length (mm)	300

## Weights depending on lining

Stone (kg)	80
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## Air

Central air supply (7)	no
Secondary air control	yes
Primary air control	yes
Tertiary air supply	no
Air supply automatic control	no

## Parameters

Fuel: wood / wooden briquettes / brown coal briquettes [W / WB / BCB]	
Consumption of acceptable fuel at nominal capacity (kg/hour) [W / WB / BCB]	1,5 / 1,5 / 1
Heated volume (m <sup>3</sup> )	50 - 140
Energy power efficiency (%) [W / WB / BCB]	79 / 79 / 80
Minimum chimney draft (Pa)	12
Flue gases temperature (°C) [W / WB / BCB]	254 / 254 / 232
Weight flow of flue gases (g/s) [W / WB / BCB]	5,2 / 5,2 / 5,6
CO concentration at 13% O <sub>2</sub> (mg/Nm <sup>3</sup> ) [W / WB / BCB]	1224 / 1224 / 1173
NO <sub>x</sub> concentration at 13% O <sub>2</sub> (mg/Nm <sup>3</sup> ) [W / WB / BCB]	99 / 99 / 180
OGC concentration at 13% O <sub>2</sub> (mg/Nm <sup>3</sup> ) [W / WB / BCB]	93 / 93 / 40
Dust concentration at 13% O <sub>2</sub> (mg/Nm <sup>3</sup> ) [W / WB / BCB]	31 / 31 / 36
Continuous operation for 24 hours	yes
Multiple loading door closing	yes

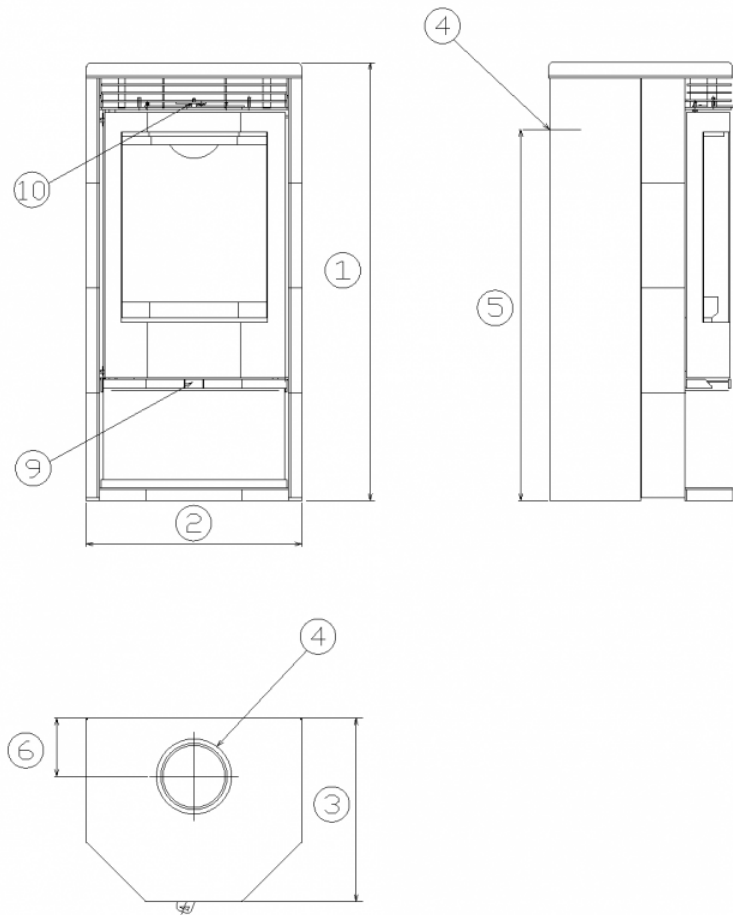
## Smoke duct

Smoke duct connection (4)	top/rear
Smoke duct diameter (mm)	Ø 150
Height of axis of rear chimney flue from the floor (5) (mm)	838
Distance of axis of upper chimney flue to the rearmost product part (6) (mm)	132

## Tests

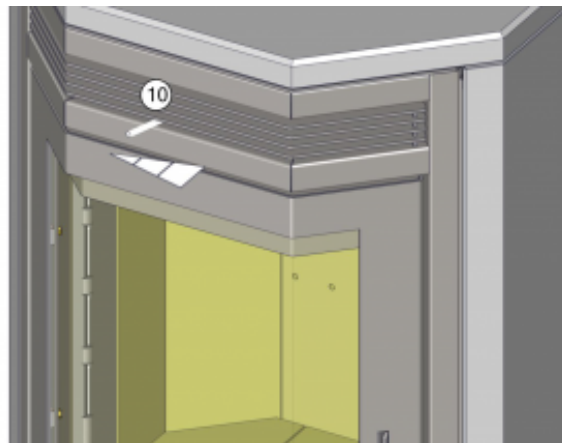
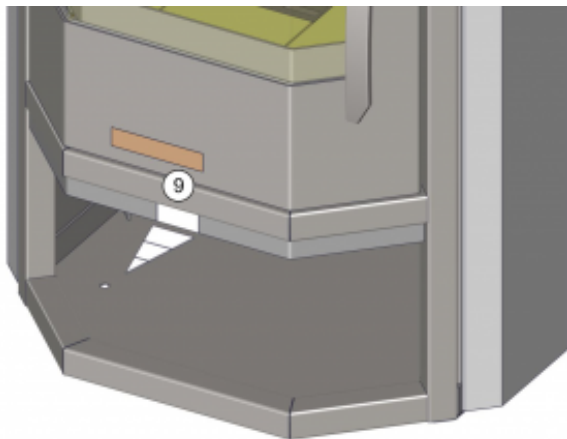
EN 13240:2001/A2:2004/AC:2007	yes
I. BImSchV Stufe 2	yes

## Dimensional sketch



## Additional information

1	height	990 mm
2	width	486 mm
3	depth	414 mm
4	smoke duct	Ø 150 mm
5	height of axis of rear chimney flue from the floor	838 mm
6	distance of axis of upper chimney flue to the rearmost product part	132 mm
9	primary air supply control - retracted open	
10	secondary air supply control - right open	



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