

# Technical data sheet

## BIONIC FIRE™ STUDIO

### OPTIONS

Firebox door	
Glass door	✓
Coating	
Black	✓
Air control	
CleverAIR™	✓
Air-system	
Air-system	✓
Rotating console	
Rotating console	✓ With a rotating console, smoke outlet is only possible upwards.
Convection	
Convection regulator	✓
Side bench	
Side bench wide	✓



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### PRODUCT INFORMATION

Weight depending on model/equipment	
Weight depending on model/equipment	195 - 233 kg
Ø Smoke outlet	
Ø Smoke outlet	150 mm
Ø Air inlet	
Ø Air inlet	100 mm
Flue pipe outlet	
Top	✓
Rear	✓
Certifications	
Energy efficiency class	A+
Multiple occupancy	✓
Eco Design	✓
EN NORM	EN 13240
MINERGIE® compatible	✓
BImSchV	Stufe 2
Flamme Verte	7*
Classe energetica di appartenenza	5 Stelle

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### SERVICES

Thermal output	
Nominal heat output	4.6 kW
Thermal output range min./max.	3-5.5 kW
Fuelwood requirement	1.2 ≈ kg/h
Energy efficiency	86 %
Combustion air requirement	15.1 m <sup>3</sup> /h
Triple values	
Exhaust gas mass flow	5.1 g/s
Exhaust temperature	166 °C
Required delivery pressure	12 Pa
Required delivery pressure at 0.8 times the nominal heat output	10 Pa
Fire safety	
Dust at 13 % O <sub>2</sub>	4 mg/Nm <sup>3</sup>
CO emission at 13 % O <sub>2</sub>	0.024 %
CO emission at 13 % O <sub>2</sub>	300 mg/Nm <sup>3</sup>
CO <sub>2</sub> concentration	8.4 %
OGC at 13 % O <sub>2</sub>	11 mg/Nm <sup>3</sup>
NO <sub>x</sub> at 13 % O <sub>2</sub>	100 mg/Nm <sup>3</sup>

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### INSTALLATION

Distances to combustible materials (without side window)	
A: to the back	80 mm
B: to the side wall	200 mm
C: to the front	500 mm
D: upwards	750 mm

#### Note

Please observe the national/regional regulations for floor protection

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## Sketches of safety distances

