

Fireplace ZOSIA ECO 12

ZOSIA/PF

ZOSIA ECO insert is a fireplace with a large cast iron combustion chamber. Due to its tightness, it perfectly suits homes with recuperation. Moreover, its technical characteristics make a contribution that the insert meets the Ecodesign requirements.



Technical Specifications

Rated output (kW)	12,0
Range of heating power (kW)	6.0 - 15.5
Efficiency (%)	83,0
Exhaust outlet diameter (mm)	200
Complies with Ecodesign criteria	Yes
Designed for heat recovery unit	Yes
Fuel type	recommended seasoned hardwood with moisture $\leq 20\%$
Weight (kg)	194,0
CO emission (at 13% O ₂) \leq given in %	0,10
Flue gas temperature (°C)	209,0
Max log length (cm)	50
Emission of dust (mg/Nm ³)	22,0
Compliance with BlmSchV 2 standard	Yes
The energy efficiency index EEI	109,32
The minimum active field of exhaust grilles (cm ²)	≥ 900
The minimum active field of inlet grilles (cm ²)	≥ 700
Glazing type	straight
Opening of the doors	to the left

Material	cast iron, steel
Width (cm)	70,00
Height (cm)	84,80
Depth (cm)	48,00
External air inlet	Yes
The liner of the combustion chamber	No
Ashpan	Yes
Decorative printed glass	Yes

Features

ZOSIA ECO insert is a fireplace with a large cast iron combustion chamber. Due to its tightness, it perfectly suits homes with recuperation. Moreover, its technical characteristics make a contribution that the insert meets the Ecodesign requirements.

CONVENIENT USE

The device is additionally equipped with a clean glass system - thanks to the so-called air curtain. The air stream is distributed evenly, sweeps the glass and minimizes the deposition of soot on it. This allows you to maintain a attractive and clean window for a long time.

Keeping the insert clean is easier with a fitted grate and a container where the ash is collected. In addition, the insert has a removable fence, which prevents the wood from falling out of the hearth and makes cleaning of the fireplace easier.

The fireplace insert is equipped in double back plate, with easy disassembly of the inner back.

MAXIMUM ENERGY USE

The insert is equipped with an externally mounted densely spread radiators. Due to such a solution, the heat transfer area to the environment is much higher and at the same time the mass of the fireplace is increased.

Burning of fuel particles is accomplished due to the equipped deflector which extends the exhaust path. This process also increases the efficiency of combustion and guarantees a better use of energy and at the same time minimizes the emission of harmful substances into the atmosphere.

The device has a triple combustion chamber venting system, therefore the wood burning process in the insert is ecological and most importantly economical.

The supply of primary air to the insert is performed from the outside due to the built-in air inlet (in size of 125 mm). The air intake is located in the bottom part of the insert.

Secondary air is supplied by the holes in the rear wall of the furnace, which creates an afterburning system. The system is responsible for the burning of the gases and the reduction of harmful substances emissions to the environment. It improves the efficiency of the fireplace, what have a direct influence on very low CO emission.

The device is equipped with a clean glass system - thanks to the so-called air curtain airflow is spread evenly, the glass is swept and soot settling is reduced to minimum. This allows you to maintain an effective and clean look of the glass for a long time.

The combustion chamber venting control regulation is independent for all three systems so that the user has better control over the combustion process.

ECOLOGICAL COMBUSTION

The unit meets the requirements of **Ecodesign** standards and the restrictions of the **BImSchV 2** standard, which determines the maximum CO emission.

SAFETY AT THE HIGHEST LEVEL

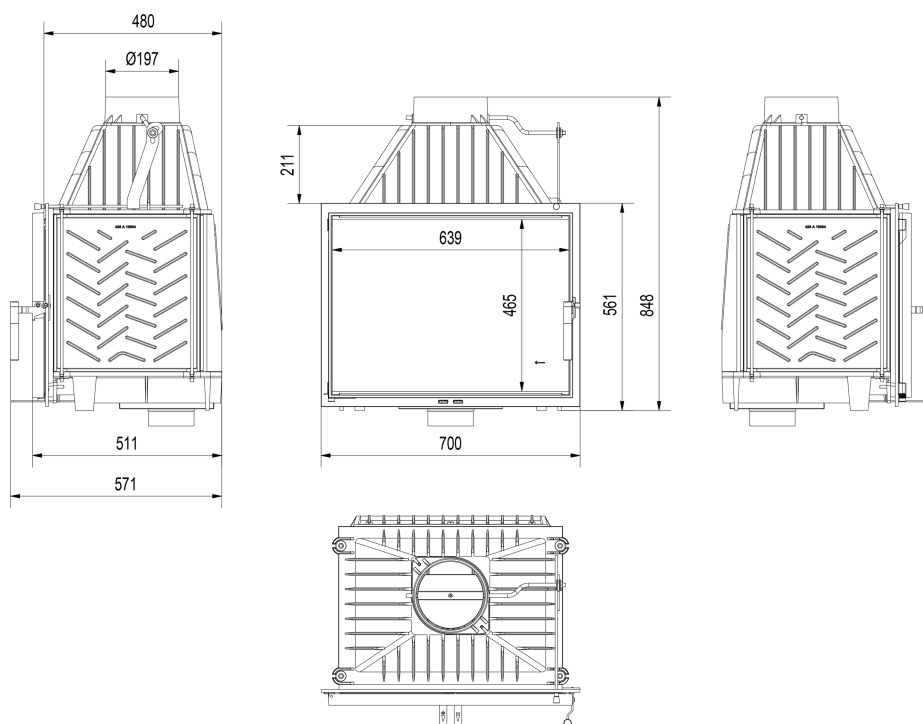
Cast iron front of the insert is equipped with decorative heat resistant glass which can withstand a temperature of up to 800°C. The installed glass has a certificate of quality and safety.

Densely spaced radiators and furnace walls made of high quality 8 mm thick cast iron guarantee safety of operation and maximum use of heat.

ECOLOGICAL COMBUSTION

Due to the construction of the insert and the triple combustion chamber ventilation system, the insert meets the Ecodesign requirements. Moreover, the tight combustion chamber make that the insert is perfect solution for homes with recuperators.

Technical drawing



Additional options



Podstawa pod wkład ZOSIA ECO 12

180,00 zł

Podstawa pod wkład ZOSIA ECO 12 umożliwia stabilne ustawienie wkładu kominkowego, możliwość regulacji wysokości nóg.



Steel pipe 200/1m

99,00 zł

Exhaust pipe designed for connecting wood-fired fireplace inserts an the existing flue pipes.



Steel pipe 200/0.5m

68,00 zł

Exhaust pipe designed for connecting wood-fired fireplace inserts an the existing flue pipes.



Movable elbow 200/90

98,00 zł

Adjustable elbow up to 90°, 3-segment, diameter: 200 mm.



The passage from the pipe system Ø 200

119,00 zł

The passage from the pipe system to the ceramic

chimney Ø200.



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