

3. Safety Distances

The flue pipe cover has to adhere to a rear wall distance of 1 cm. For ceilings with flammable or combustible materials or load-bearing elements, a minimum distance of 20 cm has to be adhered to (see Fig. 1).

For ceilings containing flammable or combustible building materials and/or load-bearing elements, the flue pipe connection must adhere to a minimum distance of 40 cm.

For assembly and installation without flue pipe cover, a minimum distance of 40 cm must be kept maintained between the connection piece to the chimney and any flammable or combustible materials (see Fig. 2).

Ceiling connections are only permitted without flue pipe cover and are subject to current local regulations.



WARNING!

Flammable flooring materials (e.g., wood, laminate, carpeting,) must be protected with a floorplate made of non-combustible material (e.g., tiles, safety glass, slate, or sheet steel).

The size of the floorplate must be larger than the base of the stove by at least 50 cm in front and at least 19 cm at the sides of the stove (Fig. 4).

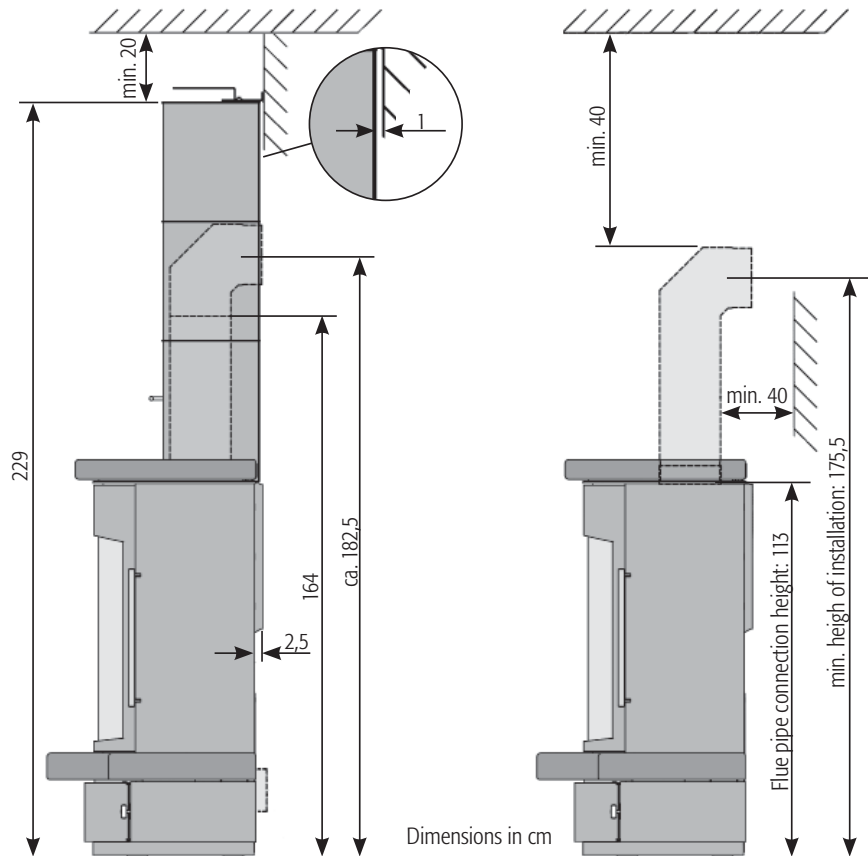


Fig. 1 Installation with flue pipe cover

Fig. 2 Installation without flue pipe cover

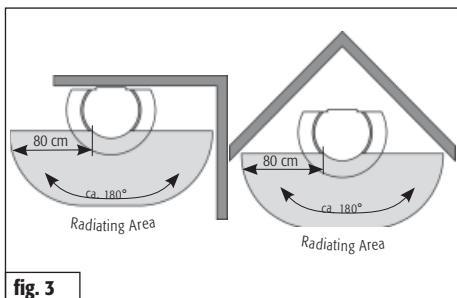


fig. 3

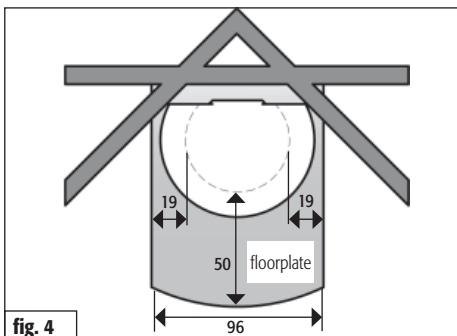


fig. 4

Dimensions in cm

4. Fuel Load Sizes and Thermal Output

The thermal output depends on the amount of fuel you put in the stove. When adding more fuel, please do not exceed the maximum fuel load size of 2,5 kg. Exceeding the maximum fuel load size leads to a danger of overheating, which can result in damage to the stove and the risk of a stove fire.



NOTE!

To attain a thermal output of approx. 9 kWm, burn wood logs that weigh 2.5 kg and are no longer than 30 cm in length for about 55 min.



NOTE!

To attain a thermal output of approx. 4,5 kWm, burn wood logs that weigh 1 kg and are no longer than 25 cm in length for about 40 min.

The Kairo is intended for intermittent operation, please only apply one fuel layer at a time.

5. Initial Operation



NOTE!

During shipment, condensation moisture can accumulate in the stove's interior, which may possibly lead to the appearance of condensation or water on the stove or flue pipes. Please dry off these damp areas immediately.

The surface of your stove was treated in a sandblasting machine before applying the colour coating. Despite careful and thorough inspection, there may still be some residual material in the stove body, which can fall out when your stove is being installed.



NOTE!

To prevent any damage, please immediately vacuum up these small steel pellets with a vacuum cleaner.

The first time a stove is operated, the heat development causes the emission of volatile components from the coating, sealing strips and lubricants, and smoke and odours can occur.

At a higher combustion temperature, this one-time process can take between 4 to 5 hours.

To achieve this higher combustion temperature, please increase the fuel quantity recommended in Section 7, „Adding Fuel/ Heating with Nominal Thermal Output“, by approximately 25%.



CAUTION!

To prevent adverse effects on health, nobody should stay in the room(s) during this process unless absolutely necessary. Make sure the

9. Technical Data

The **Kairo**, certified in compliance with **DIN-EN 13240 : 2001 + A2 2004 and Art. 15 a B-VG (Austria)**, can only be operated when the fire box is closed; more than one device can be connected to the chimney.

VKF-No.: 13698; **Inspection Report No. (A):** RB BF1-Hn 1169

The following data applies to the chimney characteristics in accordance with EN 13384-1 / 2:

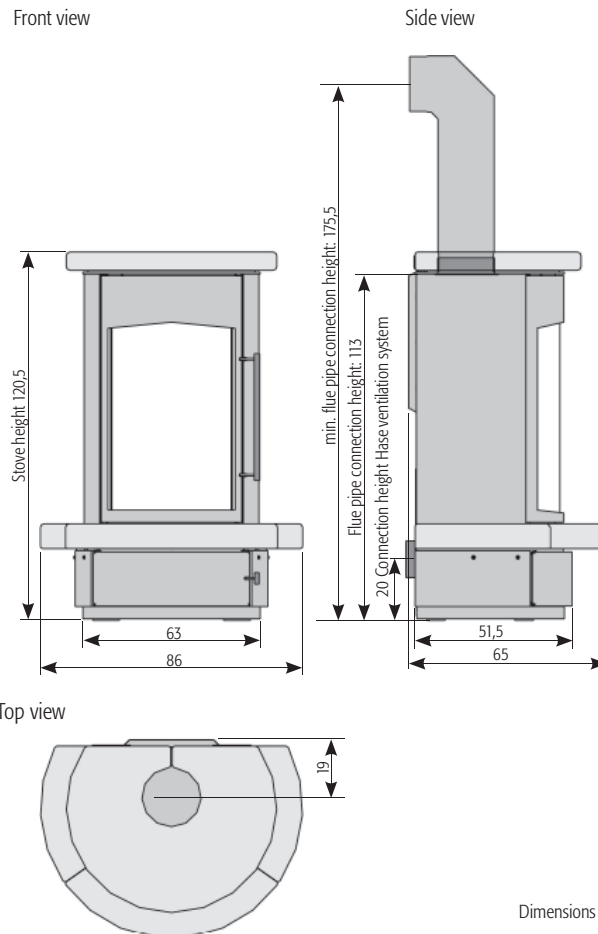
Combustion Values	Wood	
Nominal Thermal Output	9	kW
Waste Gas Mass Flow Rate	8	g/s
Waste Gas Outlet Temp.	310	°C
Min. Supply Pressure at Nominal Thermal Output	11	Pa
CO content at 13% O ₂	917	mg/m ³
Efficiency	78	%
Particulate	37	mg/m ³

Depending on the insulation of the building, the nominal thermal output of **9 kW** indicated on **35 - 130 m²** (subject to change)

Dimensions:	Height	Width	Depth
Stove	120,5 cm	86 cm	65 cm
Fire box	49 cm	40 cm	31 cm

Weight (ceramic / soapstone):	260 / 327	kg
Fire Box Opening:	1800	cm ²
Flue pipe diameter:	18	cm
Pipe diameter of Hase ventilation system*	10	cm

* For separate air supply in low-energy houses and insufficient combustion air supply in the room where the stove is installed



Dimensions in cm