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KRATKI BJORN

KRATKI Bjorn 10 kW Steel Stove Instruction Manual

Model: BJORN

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe installation, operation, and maintenance of your KRATKI Bjorn 10 kW steel stove. Please read this manual thoroughly before installing or using the appliance. Retain this manual for future reference.

1.1 Important Safety Warnings

- Always ensure proper ventilation when the stove is in operation.
- Keep flammable materials at a safe distance from the stove.
- Only burn recommended fuels (dry wood). Do not burn plastics, treated wood, or household waste.
- The stove surfaces become very hot during operation. Use protective gloves when handling.
- Regularly inspect and clean the chimney and flue pipes to prevent soot buildup and fire hazards.
- Installation must comply with all local and national building and fire safety regulations. Consult a qualified installer.

2. PRODUCT OVERVIEW AND COMPONENTS

The KRATKI Bjorn 10 kW stove is a modern, freestanding wood-burning appliance designed for efficient heating. Key components include:

- **Combustion Chamber:** Lined with TERMOTEC storage material for extended heat retention.
- **Panoramic Glass Door:** Features heat-resistant glass (up to 600 °C) with a clean glass system.
- **Door Handle:** Ergonomically designed for comfortable operation.
- **Air Supply System:** Triple ventilation system for efficient combustion, with intuitive adjustment.
- **Ash Box:** Integrated for easy ash removal.
- **Adjustable Feet:** For leveling the stove on uneven surfaces.



Figure 2.1: Front view of the KRATKI Bjorn 10 kW steel stove, showcasing the panoramic glass door and integrated base.



Figure 2.2: Side view of the KRATKI Bjorn 10 kW steel stove, highlighting its curved design.

3. INSTALLATION INSTRUCTIONS

Professional installation by a qualified technician is highly recommended to ensure safety and compliance with all regulations.

3.1 Site Preparation

- **Floor Load:** Ensure the floor can support the stove's weight (74 kg) plus the weight of the chimney and fuel.
- **Clearances:** Maintain minimum safe distances from combustible materials as specified by local regulations and the stove's certification.

- **Leveling:** Use the adjustable feet at the base of the stove to ensure it is perfectly level on the floor.

3.2 Flue Gas Connection

The stove is designed for a flue outlet with a diameter of \varnothing 150 mm. The flue can be connected either from the top or the rear of the appliance.

- Ensure all flue pipe connections are sealed properly to prevent smoke leakage.
- The chimney system must be suitable for solid fuel appliances and regularly inspected.

3.3 External Air Supply Connection

The stove features an external air supply inlet with a diameter of \varnothing 125 mm. This connection can be made from the back or bottom of the stove. Connecting an external air supply is recommended for modern, well-insulated homes to ensure optimal combustion and prevent negative pressure issues.

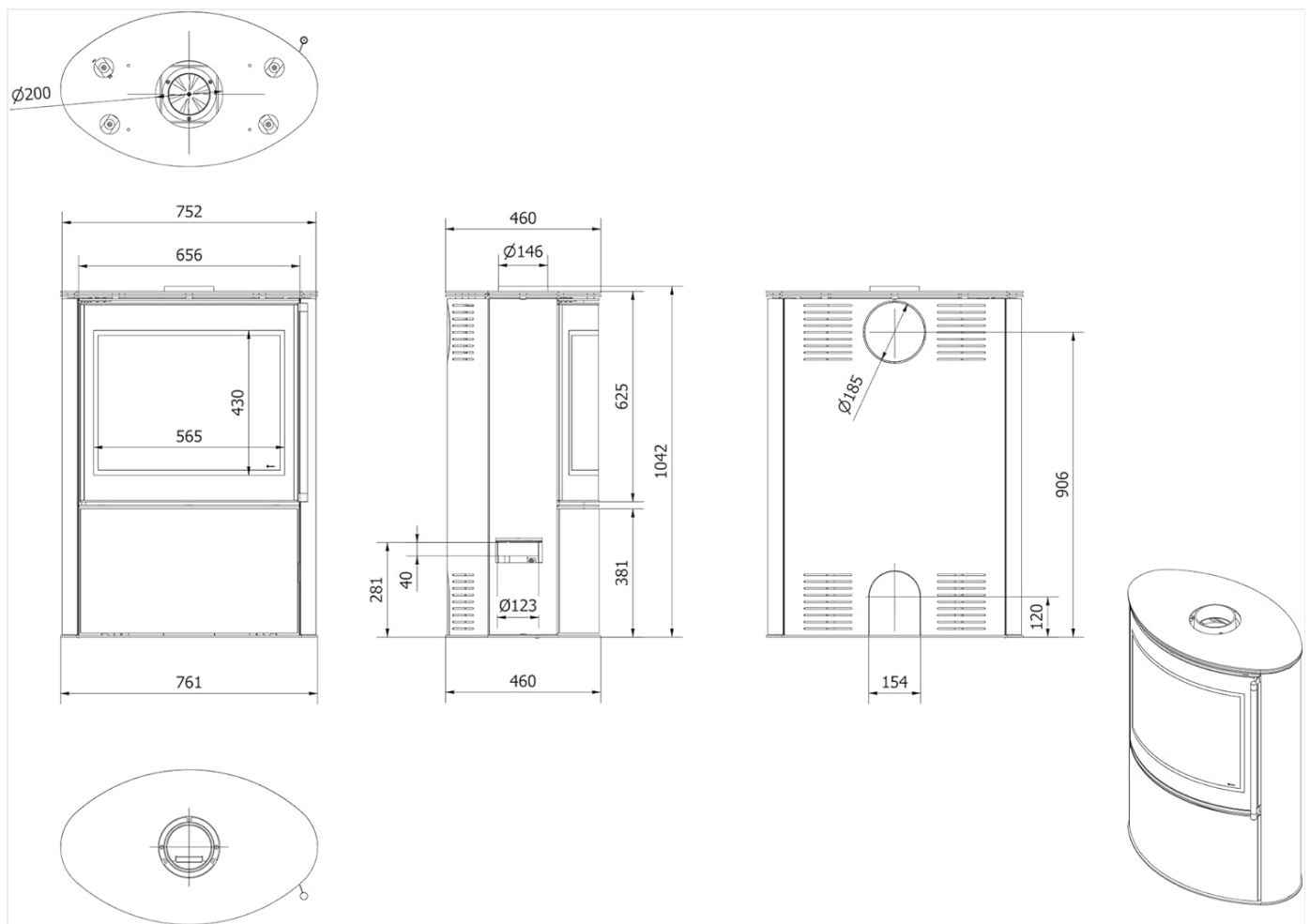


Figure 3.1: Technical drawing showing the dimensions and connection points for the KRATKI Bjorn stove, including flue outlet (\varnothing 150mm) and external air supply (\varnothing 125mm).

3.4 Initial Firing (Curing)

During the first few uses, the stove's paint will cure. This process may produce a slight odor and some smoke. Ensure adequate ventilation during this period. Burn small fires for the first 2-3 days to allow the paint to cure gradually.

4. OPERATING INSTRUCTIONS

4.1 Fuel Type

Only use dry, seasoned hardwood (e.g., oak, beech, birch) with a moisture content below 20%. Burning wet wood reduces

efficiency, increases creosote buildup, and pollutes the environment.

4.2 Starting a Fire

1. Open the air supply controls fully.
2. Place crumpled paper or natural firelighters on the grate.
3. Stack small pieces of kindling on top of the firelighters.
4. Light the firelighters.
5. Once the kindling is burning well, gradually add larger pieces of wood.
6. Close the door using the push-to-open mechanism.

4.3 Air Supply Adjustment

The KRATKI Bjorn stove features an intuitive air supply adjustment system. Adjust the primary air (for ignition and burning wood from below) and secondary/tertiary air (for clean combustion and glass cleaning) to control the burn rate and heat output. For optimal efficiency and a clean burn, aim for lively flames, not smoldering wood.

4.4 Refueling

When refueling, open the door slowly to prevent smoke spillage. Add new logs onto a bed of glowing embers. Close the door and adjust the air supply as needed.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your stove.

5.1 Ash Removal

- Remove ash regularly from the ash box, but always leave a thin layer of ash in the combustion chamber to insulate the grate.
- Ensure ashes are completely cold before disposing of them in a non-combustible container.

5.2 Glass Cleaning

The clean glass system helps keep the panoramic glass clear. If soot builds up, clean the glass when the stove is cold using a specialized stove glass cleaner or a damp cloth dipped in fine ash.

5.3 Chimney and Flue Cleaning

Have your chimney and flue pipes inspected and cleaned by a certified chimney sweep at least once a year, or more frequently depending on usage.

5.4 General Inspection

Periodically check door seals, internal lining (TERMOTEC plates), and air controls for wear and tear. Replace any damaged components promptly.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Smoke entering the room	Blocked chimney, insufficient draft, opening door too quickly, wet fuel.	Check chimney for blockages, ensure air supply is open, open door slowly, use dry fuel.

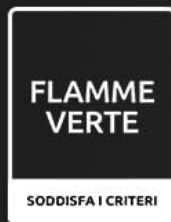
Problem	Possible Cause	Solution
Poor heat output	Wet fuel, insufficient air supply, chimney too cold, stove too small for room.	Use dry fuel, adjust air controls, ensure chimney is warm before loading, consult installer for sizing.
Glass blackens quickly	Wet fuel, insufficient secondary air, low burning temperature.	Use dry fuel, ensure secondary air is open, burn at higher temperatures.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	KRATKI
Model	BJORN
Heat Output	10 kW
Material	Alloy Steel, Glass
Product Dimensions (D x W x H)	46 x 76.1 x 105.2 cm
Weight	74 kg
Flue Outlet Diameter	Ø 150 mm
External Air Supply Diameter	Ø 125 mm
Glass Temperature Resistance	Up to 600 °C
Energy Efficiency Class	A
Compliance	ECODESIGN, German BlmschV II



A



Potenza nominale: 8 kW
Gamma di potenza di riscaldamento: 5-11 kW
Gamma di riscaldamento: 50-110m²



150mm

Figure 7.1: The KRATKI Bjorn stove in a modern interior, displaying its energy efficiency class 'A' and compliance with BlmSchV 2, ECO, and Flamme Verte standards.

8. WARRANTY INFORMATION

Warranty terms and conditions are typically provided with your purchase documentation. Please refer to these documents for specific details regarding coverage, duration, and claims procedures. For further information, contact your retailer or the manufacturer directly.

9. CUSTOMER SUPPORT

Should you require technical assistance, spare parts, or have questions not covered in this manual, please contact your authorized KRATKI retailer or visit the official KRATKI website for support resources.



